

SKIN DIVER

MAGAZINE

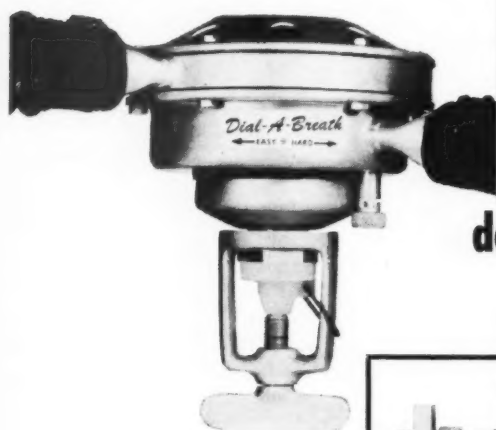
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1959
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GRAND CAYMAN
Andrea Doria
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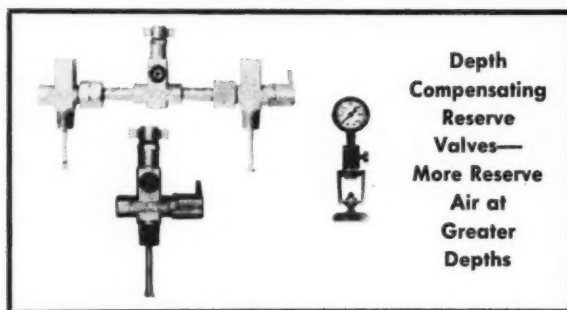


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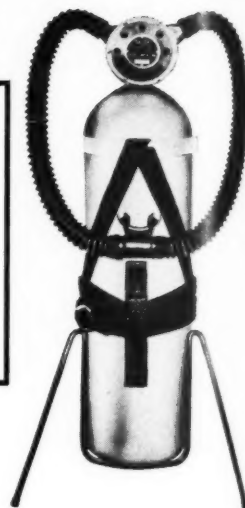
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SKIN

APR 1 - 1959

SKOPE



SAFETY SUITS and KITS

The world-wide response to Skope Safety Suits and Kits has been so overwhelming that we are somewhat behind in filling our orders. However, everything possible is being done to expedite deliveries. It's virtually impossible to answer individually all of the inquiries we have received from skin diving enthusiasts. We are therefore writing an open letter to our public which we hope will give you all of the information you desire.

Q. WHAT IS ENSOLITE?

- A. Ensolite is a closed cell, expanded plastic material made in its raw form by U.S. Rubber Company. There are many forms of this basic material, but only Skope Aquacolor Ensolite meets the requirements for skin diving and water skiing. Only Skope has the exclusive rights to this material from U.S. Rubber Company. Look for Type M Skope Aquacolor Ensolite when you buy a skin diving suit or kit.

Q. WHAT ARE THE PROPERTIES OF SKOPE AQUACOLOR ENSOLITE?

- A. Skope Aquacolor Ensolite is Type M Ensolite with the following unique characteristics:

- It is 3/16" thick, the proper thickness for this material for skin diving or water skiing purposes.
- It is resistant to gas, oil, and the ultra-violet rays of the sun. Skope Aquacolor Ensolite does not fade.
- It is available in 5 colors: white, green, blue, red or yellow.
- It has sufficient bouyancy to float a tired swimmer with full equipment (after his weights are dropped) and assure his safe return to boat or land.
- It is warmer than any other skin diving material on the market.
- The brilliant colors and iridescence of Skope Aquacolor Ensolite provide a greater margin of safety through increased visibility above and below water.
- It has an exceptionally tough outer surface to resist tears and abrasions.
- It does not pick up as much water weight as other materials.

Q. HOW MUCH DOES A SKOPE SAFETY SUIT COST?

- A. Skope Safety Suits and Kits are competitively priced.

Q. CAN SKOPE SAFETY SUITS BE REPAIRED?

- A. Yes, and almost invisibly to the naked eye. Patchwork does not show on a Skope Safety Suit as it does in other skin diving suits.

Q. CAN I BUY SKOPE AQUACOLOR ENSOLITE IN SHEET FORM?

- A. No, it is available only in kits and skin diving suits from your local dealer.

SKOPE MANUFACTURING CORP., Norwood, Massachusetts • Exclusive distributors for AQUACOLOR ENSOLITE

SKIN DIVER MAGAZINE

LYNWOOD, CALIFORNIA, U. S. A.

*Devoted to the
Underwater World*

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swimming methods; to encourage and promote all
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underwater swimming enthusiasts and to provide
an advertising medium for manufacturers, distribu-
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COVER

An advance reminder that vacations are
coming and that the teeming coral reefs of
tropical Caribbean areas are waiting. Diving
guides and rental services are gener-
ously sprinkled throughout the clear waters
of the Florida Keys, Bahamas, Cayman
Islands and the West Indies. Plan vacations
early. Photo by Jordan Klein, Underwater
Sports, Florida.

editorial

The name of this publication is Skin Diver Magazine . . . it is devoted to an
underwater activity called "skin diving." We would like to emphasize the fact
that even modern dictionary spelling is "skin diving" . . . there are no hyphens
between the words . . . there are two separate words, not one. We have used
these words for the past eight years and naturally we notice any difference in the
spelling and presentation by others. Many people, firms and clubs make the name
of this sport one word . . . others use a hyphen. Whenever possible we make the
change to two words, we have even gone as far as changing company names and
club names. We believe that the terminology "skin diving" should be the same
universally and we hope that the above point is taken in the same constructive
attitude in which it is given. How about it, skin divers?

Spearfishing is also a word that has been mangled and messed. SDM has always
maintained that this should be one word with no hyphen. Actually spearfishing
should always be "underwater spearfishing" . . . this would help somewhat when
presenting programs to legislators who are also familiar with spearfishermen of
another type. These are the people who stand on the bank and throw their spears
into the water to spear fish. In some regions of the country the dry type spear-
fisherman is protected by law and the underwater type cannot invade his domain.
If the term "underwater spearfisherman" was always used there could be no ques-
tion in the public's mind as to exactly what sport you were talking about.

The front office of the magazine in Lynwood is starting to look like an under-
sea museum. There are bits of coral, barnacle encrusted lanterns, a salt water
aquarium, a giant lobster claw, a Tiki god from Hawaii, Kava Kava gods from
Easter Island, giant clam shells from the South Pacific, an ancient bronze spike
that was forged in the Paul Revere Foundry . . . and perhaps the most talked about
item . . . a 1200 pound cannon from the Florida Keys. These are all revered
and treasured jewels from the sea sent to us by you subscribers and friends of
the magazine. We welcome more, send us something from your part of the world:
shells, mounted fish, rusty anchors . . . what have you. A visitor from out of town
usually spends half an hour in the office examining these treasures, many of the
visitors never fully realize the full scope of diving until they see these items.

If you don't read anything else, be sure to examine this month's Divers' Bulletin
Board. There are several great bargains being offered by other subscribers that
you might be able to take advantage of. The Bulletin Board is an excellent place
for you to pick up those extra pieces of diving gear . . . also, if you have some-
thing in the way of marine or diving equipment to sell or trade, use the Divers'
Bulletin Board.

features

Andrea Doria Strong Room	14	Bahamas, Underwater Paradise	25
Sunken Treasure Below	16	National Convention	26
Log of the Chiriqui	19	The Falling Light	33
Grand Cayman	22	Archimedes Without Tears	36
Arisaig, Scottish West Coast	24	Skin Diving in Rocket Ships	37

departments

Medicine Under Pressure	6	Driftwood	20
Letters	8	News Current	30
Dining for Divers	10	Question & Answer Column	34
Instructor's Corner	11	Underwater Bookshelf	41
New Products	12-32	Compressed Air Stations	56
Announcements	13	Divers' Bulletin Board	58

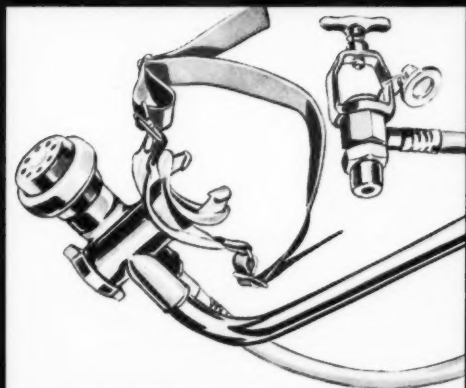
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BELMAR, NEW JERSEY

MEDICINE UNDER PRESSURE

By Walter R. Kirker, M.D.

"Hey Doc, take a look at this diver, he is bleeding from his nose." This was the most frequent request made of me during diving operations when I was Medical Officer at the U.S. Naval School for Underwater Swimmers, Key West, Florida. It was my experience to find that ear and sinus "squeeze" was the greatest single cause for diver disability among the Navy scuba trainees. It is little wonder to me then that ear equalization problems present a major incidence of the diving accidents among the civilian diving population.

It is a foolish diver who does not heed the danger signal of unequal pressures. The body warns you once, and if the unequal pressures are increased, it pronounces severe justice: a ruptured ear drum, with its possible involvement of hearing and equilibrium. Herein lies the danger. You, the diver, must decide on the spot, during your descent, whether to try to force your hand, or to surface and face the possible scorn and ridicule of your diving partner. Pride, personal disappointment and unthinking stubbornness, heaped upon the unsuspecting blocked Eustachian tube causes at least 95% of the ruptured ear drums among scuba divers.

Less than 5% of the general population are unable to accept increasing pressures because of some anomaly or injury. I personally estimate another 20% of the population claim an inability to equalize pressure because they find themselves uneasy in a specific underwater situation, and use this logical means as a reason not to dive. My word of advice then, is to respect the body mechanism's ability to record that something is going wrong, and never insist that your diving partner try and try again to clear that "sticky" ear, or you may force him to dive in a situation that can produce a serious consequence.

The most common cause of ear drum rupture is a blocked Eustachian tube. Possibly if we look at its anatomy we can understand more about the mechanism of its obstruction. It is 36 mm. long, and is wider at each end than it is in the middle. The opening at the throat is triangular in shape and is as big as a well-used pencil point. It normally

(Continued on Page 57)

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(FOR BOTH)

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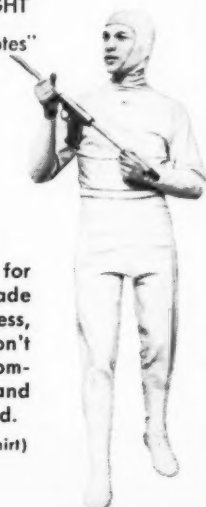
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LETTERS

... I am a subscriber and enjoy the magazine very much. I think it should be recommended by Dealers who sell equipment to novices so they may have a good source of diving information. Safety is my main concern, to curtail the bad publicity caused by foolish accidents.

John G. Ney
10th Ave., Box 81
Dorothy, New Jersey

... I would like to write to someone in the Navy about diving. Please print my name and address in the magazine.

Corinna Zebitsch
35-26 92 Street
Jackson Heights 72, N.Y.

... We have started a new skin diving club. We call ourselves the Aqua-Masters.

Wayne L. Turner
S & M Street
Philomath, Oregon

... I am interested in developing personal underwater electronic communications equipment suitable for, and within the financial reach of, the average diver. It would be greatly appreciated if readers having any technical information or suggestions on the subject would contact me.

James Chochos, Jr.
Arlington Towers
Madison 702
Arlington, Virginia

... Our club is just starting and we would like to have correspondence with other clubs across the country. Long Beach Nereus is our name and the members range from 15 to 18 years of age. Enclosed is a subscription for the magazine.

Long Beach Nereus
Bob Pannell
5125 Gaviota Avenue
Long Beach, California

... American divers visiting Norway are welcome to call on me at my address, and if you publish my address I shall try to answer letters from readers interested in Norway if there are not too many. I have my studies to watch.

Jean Michelet
Frognerveien 2
Oslo, Norway

... As a diving engineer I specialize in underwater cutting and welding. Next month my work is to be published under the title "A Guide to Underwater Welding," a copy of which I shall be pleased to send you within the next few weeks. If any other SDM enthusiast is interested in the exchange of underwater welding experiments and practical data I shall be most pleased to hear from him.

Vincent R. Foster
H.M.P. Bristol
19 Cambridge Road
Bristol, England

... I would like helpful information and general catalogs on underwater equipment for photography.

Elmer G. Richa
P. O. Box 7923
Orlando, Florida

... We have been reading your mag for some time and find it very interesting and helpful. We've read of instances where readers have asked for help in organizing skin diving clubs, and find ourselves in the same position.

Tony and I are trying to organize a club here in Flin Flon, and would like to know if you or any of your readers would be able to give a helping hand as to information, etc., on getting started.

We have a problem or two that a few of the southern clubs wouldn't have to cope with. Mainly, cold weather. Our summer is only 4½ months long and our winters 7½ months, so we have to deal with plenty of ice and cold. The average water temperature is 55° to 60° in the summer, but most of us are quite used to it as we have lived here most of our lives.

Last summer Tony and I started a diving school of sorts, trying to get people interested. We were fairly successful in that we now have about ten fellows diving. We only have four complete scuba, but everyone has mask, flippers and snorkel. (We are in desperate need of a good gas operated portable compressor. Any ideas?)

Seeing that we spend 7½ months under ice conditions, I wonder if there's anyone who can give me advice as to getting fellows interested in diving through and under the ice.

Most people here figure a person who spends hours cruising around the bottom of a lake is crazy (little do they know), but to go under the ice. That does it.

We haven't been able to dive for almost three months now, as the temperature has stayed around 25° to 45° below zero. But one of these days it shall warm up to 20° to 25° above and then we can go again.

A diver, as anyone knows, sure misses the water, especially when you can walk on it and yet can't get at it.

Our summers here are lovely though, and with 75% of the country underwater, you have but to step out your back door and you are away. The spearfishing is more than enough for any man.

So if some of you readers ever flip up this way, don't forget to look us up.

Just ask for those two crazy chaps with water on the brain. Everyone knows us!

"Cal" Bevans
"Tony" Csapo
72 North Ave.
Flin Flon
Manitoba, Canada

... As a recent reader I am asking help from other subscribers concerning the establishment of an aquarium in the Bremerton, Washington area. I am interested in any possible source of information you might offer that will help us to build an aquarium. Thank you.

Willis H. Rogers
Rt. 2, Box 79
Port Orchard, Washington

SKIN DIVER—April 1959

SPORTSWAYS Diving Equipment
acclaimed by all!
The sensation of the
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S.C.U.B.A. Diving Record... motion
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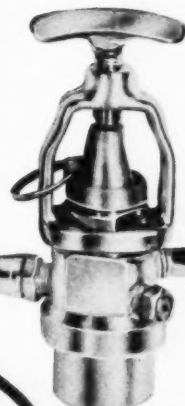
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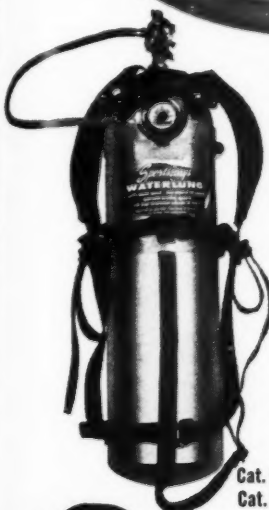
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... Director of Range Op-
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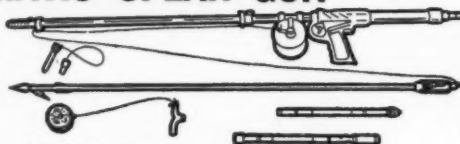
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SKIN DIVER—April 1959

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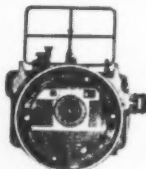
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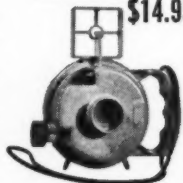
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DINING FOR DIVERS



by Allan Petri

Over the past few months we have featured recipes for a variety of seafoods. Frequently the question has been posed, "the recipes are swell, but how about some plain information on cooking fish in general?" So this month we are going to present some just plain cooking instructions which are adaptable to either beach or kitchen cooking.

Frying fish is perhaps the easiest, but most frequently misused, method of fish cookery. There are three steps that are necessary, and the elimination of any one defeats the whole purpose of preparing the food. First is the preparation of the fish, second the actual frying, and third the method of serving. Let's take them in order.

The first step in the preparation is to fillet the fish to convenient sizes for serving, or for smaller fish to clean them and scale them. Next step is to prepare the batter. This is the most important part of frying fish. Put a cup of flour in a bowl and add a pinch of salt. Make a well in the flour and add a tablespoon of olive oil and 3/4 of a cup of warm water. Stir this quickly and then add an egg yolk and a teaspoon of oregano. Mix this quickly into a thick batter. This should be covered and allowed to set for at least four hours.

The second step is the actual frying. This is best done in a heavy iron skillet. You can use butter, any of the commercial cooking oils, or olive oil, which I prefer most. If you are at home and can regulate your heat, the cooking temperature should be about 375°. If on the beach, drop a small piece of raw fish into the oil and if it browns quickly the temperature is hot enough. Dry the fillets completely and dip them in the batter. Allow the excess batter to drain off before putting fillets into the skillet. If you like you can dip them in bread crumbs before frying them, but this is a matter of personal choice. Then into the skillet until they are golden brown. Remember the smaller fish will cook more quickly, so keep an eye on them. As soon as you remove them from the skillet drain them on kitchen paper towels so that all the oil is gone. This takes at least five minutes. Now you are ready to serve them.

I've heard a lot of arguments about the importance of the manner of serving (Continued on Page 57)

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better view . . .
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Here is the ultimate in professional swim masks! Distributed by Pennsylvania, the Mares mask is designed and manufactured in Italy by highly-skilled craftsmen. This mask embodies all the qualities demanded by expert skin divers for the most exacting underwater activities:

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During the first year of instructing, my brother Roger and I sat down after each class and analyzed the subjects that we had discussed, the reaction of the students to the pool exercises and the progress of each student. We enjoyed these bull sessions. As a result of not pulling our punches we have developed a fifteen-hour scuba course that we feel is tops. Our development began over four years ago and will continue as long as we teach. We found that a person needs to do a lot of thinking, a lot of planning, a lot of observing and a lot of diving to enjoy instructing.

Our first class was quite pleasurable because we had planned for months in advance what we were going to teach and how we were going to attain each of our objectives. During the students' first solo dive, Roger and I sat on the boat wondering if we had done a good job and anxiously waiting to count noses at the end of the day. All of our students came back. We sat in the warm California sun on the trip back, enjoying the fine friendship that had developed between student and instructor. This feeling of accomplishment was our reward for proper planning.

We did not have everything perfect that first trip, for each student had the normal difficulty in adjusting to the proper size weight belt and in clearing the ears as he descended. Too, some of the students complained about our questions on the written quiz, and consequently we made them more intelligible. This first trip led us to look into each problem our students found. Each new class found problems we had not thought of. As we solved them, we established within the community and ourselves a confidence in our ability to teach and to dive.

You will find the same result if you are willing to do a lot of hard thinking. I will give you an example of our thinking. Every student has the problem of clearing his ears when he descends with the scuba. We read that the opening of the Eustachian tube is closed shut by pressure increases as nature's way of preventing cold germs from entering when you sneeze. Consequently, if a person waits until his ears hurt before he starts to clear them, he merely helps

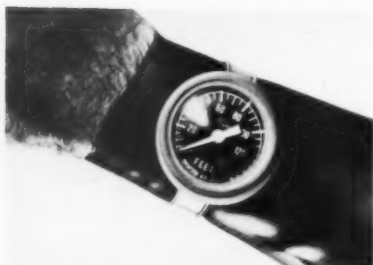
to close off the opening of the tube. If he rises after his ears have started to hurt and then starts to clear, there is a chance the tubes will have swollen due to the previous high pressure. The result, he still cannot get air into the middle ear area. After thinking over the situation, we started to teach our students to start clearing their ears when the head was in but six inches of water and to continue to clear as they descended. This prevented a negative pressure differential from building up in the Eustachian tube. Our system worked in every case except in those where the real problem was fear.

We constantly cornered other instructors and asked them about their classes and their problems. Wherever possible we obtained copies of their lesson plans and looked for things that we had missed. We were quite surprised to find that almost all of us had lesson plans very similar in content. I can remember receiving from one of the New England instructors a very good method for teaching Archimedes' laws of buoyancy. His method helped to do away with a lot of the weight belt problems that we had been having.

Further, we developed a very good library of technical books on diving. Each chance that we get, we go through new books to find new ways to put over our lessons. We also keep articles from various periodicals and newspapers pertaining to diving. Periodically we will find someone with an opinion on diving that greatly enhances our knowledge of the underwater world. Thus we continually try to keep as up-to-date as possible in the diving world. Our students expect it of us.

Finally, we try to keep current with the literature of the Fish and Game Commission and its activities. Our cooperation with this department in instructing students as to what is legal and not legal, we feel, helps to prevent adverse laws to the sport of diving.

In each issue of the "Skin Diver," we hope to make available to you more information and sources of information for the enhancement of your teaching. If you need any specific information, just write "Instructor's Corner," c/o "Skin Diver," Lynwood, California. >



BRAND NEW FROM TAYLOR—Skin Diver's Depth Gauge—Accurate bourdon pressure gage hermetically sealed in waterproof lucite housing. Two inch diameter case of green neoprene rubber with plastic wrist strap, resistant to sun and sea. Range is from 0 to 140 feet in five foot divisions. Has luminous pointer, figures and graduations. Price—\$9.95. Manufactured by: Taylor Instrument Companies, Rochester, N.Y. and Toronto, Ont., Canada.



SWIMASTER CONTOUR MASK—The newest addition to the Swimaster family of quality masks, developed from Navy UDT requirements and specifications. The "close to the face" angling of the tempered glass lens, following the facial contour, substantially increases the area of vision. Its original flange seal provides a constant seal under pressure or in surf or surge. #2M30 is in black neoprene, #4M30 is in white neoprene, and both have tempered lenses and sell for \$5.95 each at your swim equipment dealer. **SWIMASTER**, affiliate of Pacific Moulded Products Co., Los Angeles 1, California.



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Only factory irregulars left. Suits have slight imperfections which will not affect wear.

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Liquid filled compass with Bourdon principle depth gauge. Extremely rugged, accurate, luminous, rugged, non-corrosive nickel plated brass case with heavy duty wrist band. Easy to read 5' increments. Central's Special\$12.95

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Very clever sound powered underwater speaking device that can be placed in a mask or utilized with any regulator mouth piece with the exception of the Northill. Good for limited conversation or attracting attention. Excellent for safety minded divers. Easily installed. Now half price\$1.99



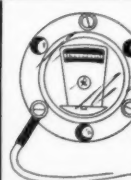
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Girls!

This is a rate in the Champions in the Gr...
In a recent AAU Co... we discuss Association ter the N reads, the tionals are however, number o more than to encour teams to teams by participati to wait teams to Association In the t to warrant the teams be selecte two team enter the July 10, w (3 meals (This apr Southern the winn the 1958 Bahama Nationals All ent tive Skin pleted an no later ticipants Kate Mil en's Div Skin Div Not L Mispl Over t several n and subs er equip quest th for this appear e The later Sporting fornia. (1) Da Please and pos bench. Great Regio All di ested in gional A pionship mediate Jean Cr tage La New Org India Clubs are req Ohio S ing the Skin D compos Red Cr ties fro tact A nounce

Girls! Women!

This is a wonderful opportunity to participate in the first National AAU Skin Diving Championships to be held on July 10, 1959, in the Grand Bahama Islands.

In a recent telephone conversation with Mr. Vezzani, Executive Vice Chairman, National AAU Competitive Skin Diving Committee, we discussed the merits of Regional versus Association meets to decide the teams to enter the National event. As the present rule reads, the teams to participate in the Nationals are to be selected by Regions. I feel, however, that by Regions it would limit the number of participants to perhaps two, not more than three, teams. At this time we need to encourage a greater number of women's teams to enter the Nationals, and selecting teams by Associations will encourage greater participation NOW. Therefore, I have decided to waive the Regional rule and select the teams to participate in the 1959 Nationals by Associations.

In the future, when there are enough teams to warrant elimination meets by Associations, the teams to participate in the Nationals will be selected by Regions. Consequently, the top two teams per Association will be invited to enter the Nationals at the Grand Bahamas on July 10, with room and board paid for 4 days (3 meals) plus partial traveling expenses. (This applies to all Associations except the Southern Pacific Association. In this case, the winning team and the team which won the 1958 Women's Open Invitational, Grand Bahama Island, will compete in the 1959 Nationals.)

All entries for the U.S. National Competitive Skin Diving Championships must be completed and in the mail to Mr. Vezzani's office no later than **June 25, 1959**. Be sure all participants secure their AAU travel permits.—Kate Miller, Executive Vice Chairman, Women's Division, National AAU Competitive Skin Diving Committee. ✎

Not Lost or Misplaced

Over the past few years, there have been several mentions in the magazine by dealers and subscribers that their regulators (and other equipment) have been stolen. This is a request that repair men and air stations watch for this stolen equipment. This column will appear every time something disappears(?). The latest item was reported stolen from Al's Sporting Goods, On the Pier, Cayucos, California.

(1) Dacor Regulator, Serial number 7595. Please clip this item out of the magazine and post over your air filling hose or repair bench. ✎

Great Lakes Region Divers

All divers in the Great Lakes Region interested in competing in the Great Lakes Regional A.A.U. Underwater Spearfishing Championships this coming May are urged to immediately contact the Regional Chairman: Jean Crittenden, 11259 Mumford Drive, Portage Lake, Route #2, Pinckney, Michigan.

New Council Organizing for Indiana

Clubs and groups in the State of Indiana are requested to contact: Art Jacobs, 9 East Ohio Street, Indianapolis 4, Indiana, regarding the proposed formation of the Indiana Skin Diving Council. This council will be composed of skin diving clubs, YMCA groups, Red Cross Chapters and other interested parties from all over the State of Indiana. Contact Art Jacobs immediately for the announcement of the first general meeting. ✎

Pacific Coast Women's Championships

The Women's Pacific Coast Skin Diving Championships will be held on June 14, 1959. The place and time: Catalina Island, June 14, 1959.

The Pacific Southwest Region of the AAU extends an invitation to all Associations in this Region to participate in the 3rd Pacific Coast Championships to try for the many cups, medallions, and trophies and to enjoy the great fun of this event.

All participants are encouraged to try for the perpetual Pacific Coast trophy which graces Helms Athletic Hall. The names of each year's winners are inscribed on this trophy.

The minimum age is 16 years. A waiver must be obtained from the parents or legal guardian for each contestant under the legal age.—Kate Miller, 3001 Stanford Ave., Venice, Calif.

Council Banners Disappear from Convention Hall

Some person or persons with unprintable aliases, for one reason or another, invaded the hushed sanctuary of the main hall at the Hotel Bradford during the First Annual Convention of Skin Divers after hours and removed several banners that were being displayed by the attending Councils. Souvenir hunting is an old American custom, getting autographs from celebrities is a common practice . . . but this type of action is off base, away out of line. These banners are expensive and are valued only by the Councils that had them created. In the name of good diving and true sportsmanship . . . return the banners to the owners. Don't be embarrassed by possession of others' property without their full knowledge and consent.

Please Return Our Banner

The Illinois Council Banner was removed from the wall of the Grand Ball Room of the Hotel Bradford, Boston, Mass., during the night between sessions of the First Annual Convention of Skin Divers. We feel very sure that this was no more than the good-natured prank of a conventioneer and that, one day, it will be returned to us. Our next general meeting is little more than one month away. May we have our banner so that it may be displayed, as it always is, in its honored spot behind the podium? We



have asked the "Skin Diver" to place this notice because it just won't seem right to hold a meeting anywhere but under this Banner.

May we offer a sporting challenge? If it is returned in the name of good sportsmanship, it will be hung again at the next National Convention in 1960, and he who is agile enough to remove it without the knowledge of our delegation, and keep it hidden until the Convention ends will receive a trophy for his feat. Return it and you have our word that you, along with all others, will have the opportunity to get it again. The first trophy will be sent to him who returns our Banner this time also. We are sure this challenge will be accepted, for though skin divers come from all walks of life, they are all true sportsmen. Our sincere thanks, Illinois Council of Skin and Scuba Divers, Carl H. Hauber, Corresponding Secretary, 204 W. Pennsylvania Ave., Urbana, Illinois.

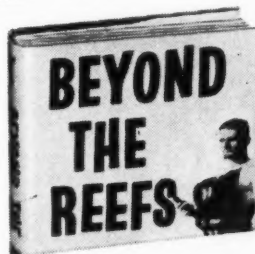
WANTED:

Skin Diver. Must be willing to use pure oxygen scuba in deep water and able to train native divers in some. Hazards: tiger sharks, uncharted waters, primitive working conditions. Rewards: a possible fortune in pearl shells—and adventure.

IF YOU were a bachelor holding a good, but routine, job as an airline pilot, how would you respond to such an offer? William Travis had the same reaction—and found himself in a lonely, seldom-visited archipelago in the Indian Ocean: the Seychelles Islands.

On paper the venture looked perfect: Travis and his partner had a schooner at their disposal, mother-of-pearl shells brought \$840 to \$1400 a ton, and the shells were there by the million. But the waters were poorly charted . . . the beds were in deep "suicide" waters . . . the natives feared shark attack (with reason, Travis learned) . . . and finding the shell beds took on all the aspects of a treasure hunt. Before he was through Travis was intimately familiar with the far-flung Seychelles, their exotic patois-speaking natives—and the multi-hued marine life of their coral reefs. You'll find a lot of entertaining and fascinating facts about the Seychelles in Travis' book about his adventure—but most of all you'll find some of the most engrossing, informative accounts of skin diving ever written.

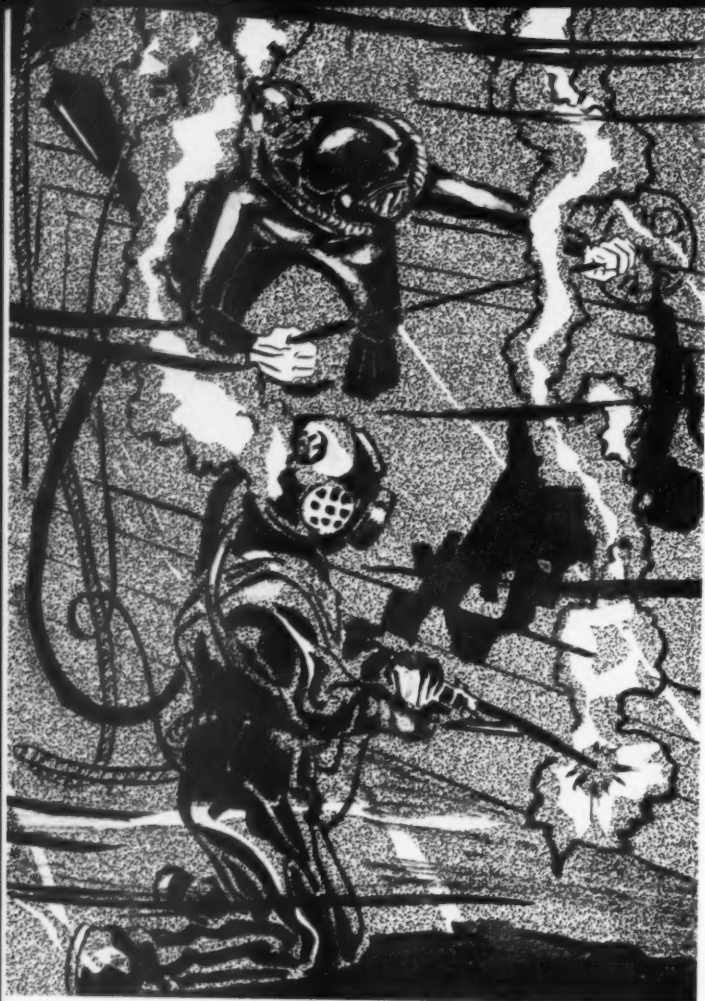
And if you're tired of books that end with amateur treasure hunters sailing away resolved to do better next time—**BEYOND THE REEFS** is for you: Travis (no amateur) found the shell beds, and the expedition made a lot of money. Go and do likewise if you can. But first read—



by WILLIAM TRAVIS

Illustrated with black and white photographs and four pages of color plates. \$3.95.

Get it from any bookstore—or direct from
E. P. DUTTON & COMPANY
300 Fourth Avenue,
New York 10, N.Y.



\$70,000 JOB!

Contents of **ANDREA DORIA** **STRONG ROOM** to be raised !

Skin Divers and Helmet Men will cooperate on huge salvage operation



John Sherwood, organizer of the Andrea Doria salvage job, gets helmet from his tender. Sherwood plans to use several skin divers during the work on the Italian liner.

By
JOHN SHERWOOD

IT appears that nineteen fifty-nine may prove an epic year in the history of marine salvage. Plans are under way for the removal of the contents in the safe of the Andrea Doria and scuba divers are to play an important part in the expedition. Scheduled to be over the wreck in early May, the group will use ten deep water experts, five scuba men and five salvage divers wearing the standard Mark 5 Navy deep water gear.

First a little background on the much publicized plan to raise the entire hull, and how the present plan will profit by the extensive engineering research already done on the salvage possibilities of the giant liner.

In late 1957 A.A.A. Salvage of Trenton, N. J., conceived a novel scheme to raise the Doria and proceeded to get prices on the special equipment it would require as well as estimates on what they would have to pay a crew to do the job. On paper their idea made sense. What they failed to realize was the fact that no investor was interested in financing such a venture because of the open sea factor and the clear indication that it would involve several summers of tedi-

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ous work, no matter how skillful the divers might be. No swimming pool or testing tank, the area off Nantucket is known to seafaring men as an unpredictable area of ocean as is attested to by the number of wrecks that share the watery grave of the Doria. A sudden storm could wipe out months of work in a matter of minutes and the all-important cables connecting the salvage vessels to the hull would become hopelessly entangled should the boats be lucky enough to remain on station.

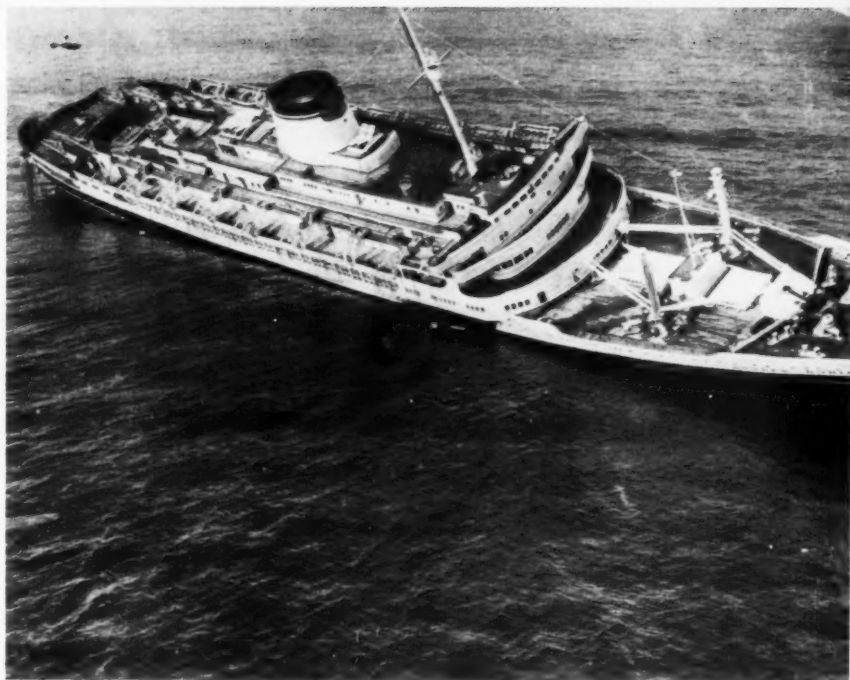
Shortly after resigning as chief diver of A.A.A., I was contacted by a group of businessmen who had been developing an idea of their own for the Doria. Neither salvage men nor men of the sea, they nevertheless were interested in the possibilities of recovering the fortune in money and jewelry known to be in the purser's room of the Doria. Because of my connection with A.A.A. and a considerable amount of research on my own, I was able to answer most of their questions about how to go about the job. They wanted to know many things. Could the room be reached? Could the safe be opened underwater? What would a venture like this cost? How long would it take? Out of this meeting came a sensible plan. At this writing the final plan is before the Societa' d'Assicurazione, the Italian insurance society which presently owns the wreck. Final approval is expected next month.

A.A.A. Salvage is one of the leading marine recovery companies in the country. Financed by multimillionaire liquor distributor Armando Conti, and led by chief engineer Richard A. Meyers, they have done some outstanding work in the Great Lakes area and are presently at work on the tanker Cleveco sunk off Cleveland, Ohio.

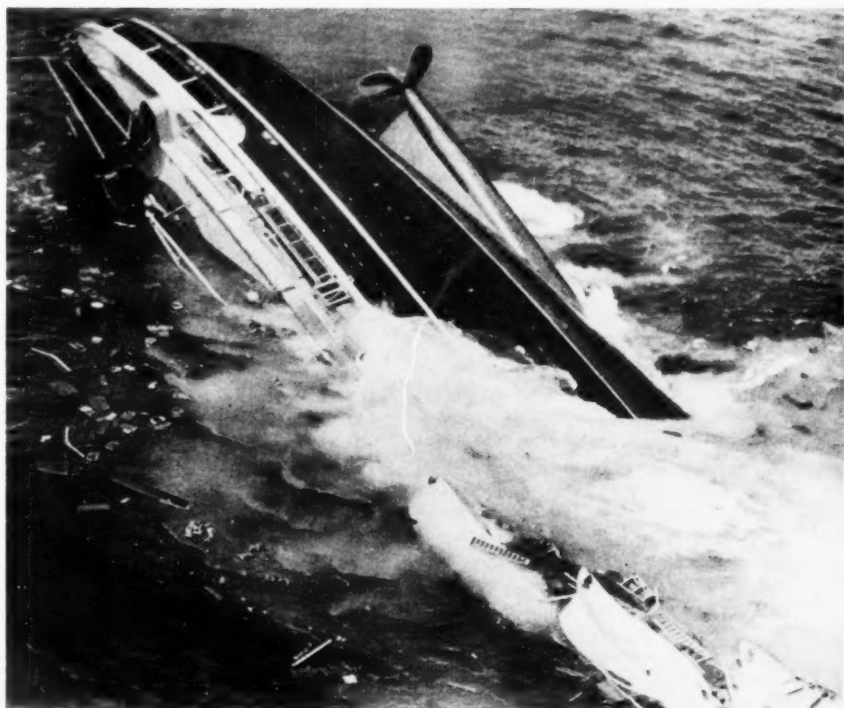
The plan of action goes like this. Upon finding and positively identifying the wreck, scuba divers will be dispatched with light line which they will attach to the primary hatch, the point where the helmet divers will enter the hull. These lines will then be changed to cable and fastened to a buoy alongside the 130 foot salvage boat so as not to lose the wreck in case of a bad storm. Next the helmet divers will cut off the hatches from the point of entry on into the treasure room, clearing debris as they go. One helmet diver will work inside the ship at a time, the second man on a dive tending his lines just outside the hull, and standing-by should the inside man get into trouble. In addition a third helmet diver will be dressed on deck should he be needed in an emergency.

The actual safe opening will be done by former Navy Chief Boatswain's Mate and Master Diver Gene Tompkins of

(Continued on Page 42)



July 1956, the proud Italian ocean liner Andrea Doria keeled over and sank to the bottom after being rammed by the Swedish liner Stockholm in a heavy fog. The location of the tragic sea wreck is off Nantucket Island in the Atlantic. All passengers and crew were saved but the strong room safe still holds the passengers' valuables and other contents. Skin divers and hard-hat men are going to salvage the safe this May.



SUNKEN TREASURE BELOW



Diving for Buried Logs Pays Well

Water soaked logs are beached by the salvage barge. Oregon lumber mills are paying \$40 per 1000 board feet for the wet timber. Most of these logs have been underwater from 80 to 100 years.

IN these days of talk about saving our national forests one avenue of conservation which everyone seems to have overlooked is the one that skin diving has opened up.

That's the new found art of skin diving for sunken logs. It's been done before in other lumbering areas, but it took two South Gate men to really open up the Pacific Northwest and with some real advances in the methods of frogman logging.

The pair are Chuck Kimberling, a South Gate, Calif., barber, and Colonel (that's his first name, not a rank) Clair, onetime salvage diver, who learn his diving by the hardhat method, but now prefers the lung.

They worked the Klamath Falls, Oregon, area last year and in five months grossed nearly \$6000—but only after meeting every bit of hard luck in the book and at first a lot of community

resistance—which turned into community popularity.

They worked nearly six weeks before being able to sell one log, what with slowdowns from mechanical troubles and getting located.

Even after they harvested their first 10,000 feet, they couldn't find a sawmill among the seven at Klamath Falls to take their logs. They received such replies as "the logs must be all rotted," "the wood will never dry out."

So, they leased a mill unused for

seven years, spent two weeks getting it into shape and then sawed every one of their logs down into the regular boards you find in your lumber yards.

The wood was the equal of, and most of it much better than, other lumber from the area. From then on, they had no trouble selling their raw logs for \$40 per 1000 board feet.

The two men used a 55 foot long by 15 foot wide barge abandoned by a former diving salvage operation at Klamath Falls. It took Colonel, who had worked for the salvage company, nearly two years of negotiation to rent it out.

Equipped with a 400 horsepower engine, the barge has an elevated iron railing about four feet above the deck completely encircling the deck. Pulleys and fittings are mounted all along the bridgework enabling the divers to hitch chains from the logs onto them and

By NIESON HIMMEL

then hoist them aboard with a power winch.

Their method of operation was to work for four hours in the morning diving. Chuck and Colonel had two lungs both equipped with twin tanks.

A morning's diving used up all of the air usually. The men were limited in the amount of air they could use. They stored their air in some large bottles which usually only lasted a week.

Each refill necessitated a trip 60 miles each way to the nearest pure air supply. This summer, however, they plan to buy a compressor.

Their method was to work singly, but this summer they hope to have someone to operate the barge so that both men can work buddy diving and working a grid pattern.

Once they found a likely looking log, they tied a choker chain, from 1/4 to 3/8 inch, around it. Each chain had a balsa wood float attached to it which served to mark it.

Each log was from 16 to 33 feet long, the ideal length for handling at the mill. A good day's harvest was from 30 to 40 logs. In Klamath Lake, this many good logs could be found in an area from 20 to 50 feet square.

In the morning they would work diving off one of the two small boats they had brought along. In the afternoon they would return to the area marked by their floats and raise the logs on their pulley, then pull them into shore.

As Colonel describes it, "the visibility up there was absolutely zero. Palos Verdes, Pt. Mugu or Catalina on a dirty day were like a crystal clear fish bowl compared to that stuff."

"To make things ducky, there was smooth bottom of slimy, oozy mud and algae all over."

To cap things, the water averaged about 55 degrees, although it sometimes hit 60.

The divers used one-quarter inch wet suits with rubber slippers and occasionally hoods. A few hours in the water was enough for each day.

Chuck, a stout man, says that one day's diving could sometimes take off five pounds for him.

While not deep, the diving was usually in waters 10 to 20 feet in depth, the job was not without its dangers.

The logs had a nasty habit of crashing into one another while the men were trying to get chains on them. Many times they suffered painful leg or hand injuries.

However, the men point out, on most days there was very smooth water and rarely any troublesome currents—something which bothers ocean divers.

Chuck, who has worked in oil fields and at other tough jobs, describes the



Chuck Kimberling lowers another choker chain and balsa wood marker float to Colonel Clair. The diver will attach the chain to one of the sunken logs and they will winch the log to the surface after several have been marked. The underwater lumberjacks work in shifts.

work as the toughest he has ever encountered.

However, he expects with the better planning of their work load and more efficient methods to increase the harvest this year and cut down on the amount of work.

On a good day they hope to average 10,000 board feet of lumber this year, not a bad haul for a day's work. Incidentally, the number of board feet is calculated not from the length of the logs, but from the board feet of lumber cut out of the log.

Drying the logs in the kilns at the mills takes about four days, about twice as long as ordinary logs. Once dried,

however, the lumber is indistinguishable from other first-cut pine.

The logs worked with were chiefly ponderosa and sugar pine.

It's when the boys talk of the future that they begin to wax ecstatic. The possibilities for diving in other areas for logs are practically limitless they insist.

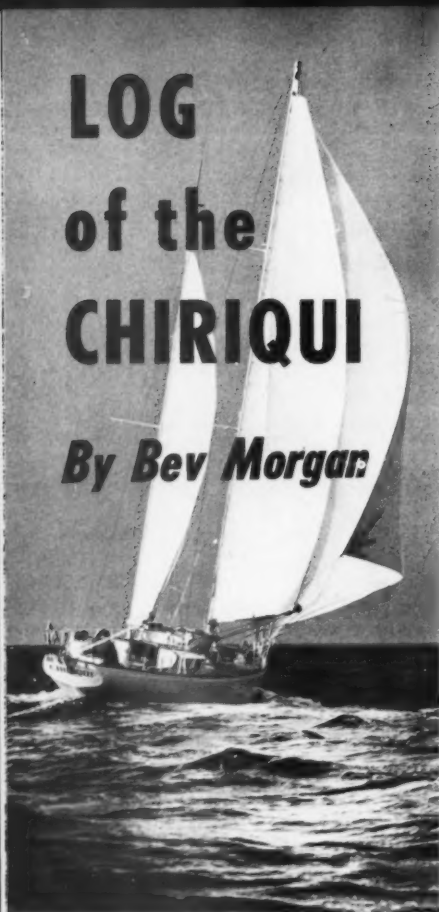
All of Klamath Lake is wide open, they say, and the lake is 35 miles long by 15 wide roughly. Then there is the Klamath River. And innumerable other rivers throughout Oregon, Washington, and British Columbia dotted with logs left over from past drives.

Logging continued hellbent for elec-

(Continued on page 36)

LOG of the CHIRIQUI

By Bev Morgan



The story thus far: Five men are continuing into the South Pacific on the diving adventure of their dreams. After leaving Long Beach, California in May of 1958, they skirted the coastline south to Central America. Then, they started across the South Pacific Ocean, stopping at Cocos and the Galapagos Islands. Diving their way across the Humboldt current, they are now hull down, driving the Chiriqui, a sixty-one foot ketch, toward Easter Island.

EASTER ISLAND

"Log of the Chiriqui" will be featured each month as the ocean yacht sails to new diving areas in the Pacific . . .

WE WERE hard on the wind for twelve days, with all possible sail set. The wind forced a double reef in the mainsail for three days, but we continued to make good time, some days averaging over two hundred miles. The bow wave hissed outward while the helmsman held her into the gale. Below, cook fought falling dishes and hot food as the Chiriqui buried her bow and crashed onward. The first few days are rough on the men, but then you become accustomed to the pitching deck. While sleeping, the canvas slings hold you in the bunk. While eating, you learn where to brace yourself with your feet, leaving both hands free for the food. Even your eyes adjust to the swaying print as your book rocks in the hand.

Soon, with the Humboldt Current far astern, the weather moderated. One fine day, a mound of land became visible on the horizon. The watch shouted, "Rapa Nui!", the native name for Easter Island. We saw the land rise from the brilliant blue sea as we approached. It was late during the night when we felt our way into the anchorage. The fathometer graph drew our passage across a revolving drum as we settled into ten fathoms. The anchor chain rattled over the side, a phosphorescent light marking its descent into the sea. Although we were in the lee of the Island, a long, low swell caused the boat to roll through the restless night. As the first light of dawn came through the hatch, I crawled out of my bunk to go on deck. I set the Chilean flag on the mainmast, and our flag on the stern pulpit. It was cold, with a light mist falling from an overcast sky. The island appeared low, with smooth, flowing hills rising behind the small settlement of Hangaroa.

The village resembled an English countryside, with hedges running along the roadsides and between the houses. Later these "hedges" turned out to be stone walls.

From the doghouse came the cry, "Coffee, Morgan, you're the cook today!"—"OK, OK," I returned. I passed down the companionway through the doghouse and the main salon to the galley. I began to pump the pressure up in the kerosene tank as the gimbaled stove swung back and forth with the roll of the boat. Soon the coffee pot was going full tilt, the aroma causing a stir from other crew members.

Voices from on deck and the sound of canoes striking the hull of the Chiriqui brought the skipper to life. He dressed and dashed out on deck. Two hundred natives greeted him. They were swarming onto the boat from their fishing canoes. They had seen me raise the flags, and considered this to be the signal that meant we were ready for business. The business they had to conduct was the selling of carved images, both stone and wood, in the form of their ancient "Kava-Kava" and "Ako-Aku." We were amazed at the number of carvings each native carried in his sack. Later, when the local Governor came aboard to receive our papers, he explained that two telegrams had arrived several days ago addressed to members of our crew, so the natives had been madly carving to prepare for the "wealthy Americans" coming on the yacht.

We decided not to do any business with them on the boat, to discourage future visits to the boat by so many. Before we departed from the Island, the shrewd natives had all but traded us out of our shirts. Although their language is Spanish and the native Polynesian, they could "change" (their English word for exchanging) like a used car salesman in California. Finally, all the natives returned to shore, and we returned to our bunks, still tired from the rough sailing.

In the afternoon, Ramsey and I threw our surfboards into the launch and went in to the landing place. We anchored the launch in the calm water behind a large rock, then paddled our boards over to where the waves were breaking on a reef. By this time, a large group of natives was gathered on the beach to watch. I caught a wave, stood up, and rode shoreward some one hundred yards. Ramsey picked up the next wave and followed. The natives were wildly cheering and shouting. I later learned that surfing dates back to the earliest history of Easter Island, but they used boards made of reeds tied together and did not stand erect, remaining prone for the ride. Naturally, our standing rides amazed and delighted the people, and soon many men and boys were swimming and body surfing with us.

I noticed the water was very clear and warm. Even where the Chiriqui was anchored, in sixty feet of water, the

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bottom was visible. A short kelp covered the bottom where we were surfing and I did not see any coral in the area.

We spend eight interesting days on Easter Island. The Chilean officials were hosts par excellence. The Catholic priest, Father Sebastian Englert, is one of the finest men I have known. He came to the Island to study the culture for a year, and stayed twenty-five years. The natives were all friendly and helpful as we photographed our way across the island. But the subject you Skin Diver readers are interested in should be told, and so I shall not dwell on the mysteries of the giant stone images, or the ghosts, except as they apply to our diving.

Ramsey Parks had to do another fish collection for Dr. Boyd Walker at U.C.L.A. He (Ramsey) and Plazi Miller (our skipper) departed one day to look for a likely spot for the collection. Also, as they ran the diving launch about the Island, they were looking for the roads that "lead into the sea". In our library on the Chiriqui we had found several references to these roads, but no one



Twelve days and eleven nights saw the crew of the Chiriqui battling wind, rain and falling coffee pots as they sailed through the turbulent seas to Easter Island.

on the Island had heard or seen any such thing. It seems, according to our reading material, that if these roads did exist, and they did lead into the sea, then perhaps Easter Island was once much larger and parts have sunk into the sea. And, following the same reading material, strange cities may exist at the submerged ends of these roads.

We constantly asked a variety of questions of everyone we contacted on the Island concerning this subject, but the answer was always the same. No one had ever heard of such a thing as a road leading into the sea. And Ramsey and Plazi confirmed this by circling the Island without seeing a trace. We had already circled the Island by land, so the entire legend was probably the product of an overly imaginative writer. The crew did find a good area to collect the fish on the other side of the Island.

Early the next morning we moved the Chiriqui to Anakena, a cove on the other side. Lowell Thompson, Jack Russel, and Ramsey spread the poison, while Plazi collected fish on the surface, and I photographed underwater. As the divers spread the poison, the water became turbid and finally I could not photograph in the area. Along with a

(Continued on Page 34)

Giant stone gods of the island dwarf Morgan as he examines the remains of an ancient craft. These gods were carved from solid stone by a vanished tribe of islanders.



DRIFTWOOD



... Now hear this . . . there have been too many irate teenagers writing abusive notes lately. Old Uncle Kohler's patience with the Creep Crowd has finally worn out. No more Pen Pals. Mature-minded, teenage divers are always welcome, but only with the clear understanding that old Unk has never pretended that he considers the teenage element to be as important as those Driftwooders who are over twenty-one years of age. A large number of pinheaded adults are directly responsible for the teenage set getting the absurd idea that they are something special. I don't buy this crock of nonsense. Around THIS jetty, kids are kids until they prove otherwise by conducting themselves like adults. Besides, I'm kept busy enough soothing the adult cretins without having to cater to a horde of wild infants who labor under the mad illusion that they have inherited Earth—and me along with it. If this makes sense to you—fine. If not, cease and desist reading this abortive page, and I'll try to struggle against the tides of opinion without you. After all, I don't HAFTA take all this guff, y'know. I can always go back to the whip factory or poach abs or something. While I'm giving it some contemplative thought you might frolic about in this month's maelstrom of mail . . .

In Jamaica, New York, there's a Long Island Skin & Scuba School called the "Gills" whose director's name is McCue. Is he a friend and are you indirectly poking fun at him with your McSplash cartoons or your almost constant mention of Gillmen? Or is the connection only a coincidence?

JACK DUNLAP
Levittown, L. I., New York

McSplash was named strictly for himself. The references to The Gillmen result from my having been made a proud, honorary member of the best diving outfit in the country: The Hartford Gillmen of Hartford, Connecticut.

I must say your column is a beacon in the midst of conformity to all freethinking, male divers (and the more hep females) of the world. For encouraging our individuality, our male superiority and our psychotic notions you show extreme intelligence of the highest order. I love to dive. I also like to ogle pretty girls. I like the cartoons. I like skin diving as a male sport.

RON SUMMERS
Fort Lauderdale, Florida

As one male sport to another: Excelsior!

Maybe you can help me, Kohler. I've been diving for about six years now. Lately, my mother-in-law has been giving me a lot of tired old jazz to the effect that I should discontinue diving because it's too dangerous for a married man whose wife and four kids depend upon him for support and security. Every time the old bat visits us, it's the same, old routine and I'm fed up with hearing her rant and rave each time I lug the diving gear out to the car. After reading you for the past two years, I'm getting brave—and I hope my wife reads this letter. What do you suggest?

HANK SIMPSON
Los Angeles, California

Well, be kindly, tactful. Say something smooth like, "Mother, dear, you must be tired so why don't you shut up and get some rest?"

Driftwood is the best thing since the nickle beer. Keep it coming. Diving is a man's sport, and if the broads don't like it—shut off their air valves.

BUD ACKERMAN
St. Louis, Missouri

Saaay, you're real brave. How long you been reading me?

You and Driftwood are full of malarky. Diving was never exclusively a man's sport and never will be. And any idiot who thinks it is, should have his head examined before he does something violent.

ANNIE JACKSON
Tacoma, Washington

Hey, Ackerman . . .

In rereading the November Driftwood, I happened to notice the word "furshlugginer" in your column. Now, there is only one magazine where you could have seen that word. Could it be . . . ?

BILLY COUEY
La Mesa, California

Doesn't everybody read that magazine, too?

This hasn't anything to do with skin diving, but the following—borrowed from WHAT DR. SPOCK DIDN'T TELL US in the January Journal—should give somebody a laff: "Kohler's Sprint: A sudden acceleration of the leg muscles, occurring simultaneously with a psychic spasm of the bladder, thus enabling a child to arrive at the bathroom always one or two seconds before a parent who has the same mission in mind. May happen with such frequency that the parent becomes obsessed with the idea that the child lives in the bathroom." Any comments, Kohler?

BILL COUEY AGAIN
La Mesa, California

Sheesh, I'm FAMOUS!

You're Great! I've read SKIN DIVER Magazine for two years and I love it! I think your column is the backbone of the magazine. They couldn't get along without you, and don't let any "side-winding son of a sealskin swiper" tell you different! My brother, myself and a few friends are trying to establish a new club for the express purpose of teaching minors safe diving habits. Unfortunately, we are having trouble and don't know when we will be able to start recruiting members. To pass the time, I am sending in this letter and the picture of myself going into the city



to pick up an issue of SKIN DIVER.

BARBARA PETERS
Brooklyn, New York

You're young and gorgeous and intelligent, and who could ask for more, Babs?

I've been reading Driftwood for some months now and am wondering why you don't give complete addresses. I'd like to visit anyone living near me. Divers are still rare around here.

PAUL DOERR
22 Davis Drive
Sharpsville, Pennsylvania

Yeh, we useta include addresses. Then, some nitwits began collecting all the addresses of the letterwriting dolls and bombarding them with dubious notes. Now, we play it heavy on the privacy beat.

With all due respect for the fact that you certainly have enlightened SKIN DIVER with your rather wonderful Driftwood Page, I feel impelled to point out to you that your constant usage of profanity tends to make many of us people of refinement view your otherwise entertaining column with mild disapproval. After all, a good many young people read your column faithfully. And all the unnecessary profanity could be deleted without the page losing anything essential. Don't you think you could refrain from being so profane?

(MRS.) ADA JEAN SMITH
Detroit, Michigan

You're dammed tootin' I could, lady.

I didn't want my first letter to Driftwood to be one of psycho type, but I must help stamp out this pen pal movement. Every time I think of those letters, I feel like sticking my finger down my throat. Besides there's no room—with all the letters from frustrated wives, divers and the notes from your hate clubs. With all this, where would you put this juvenile Pen Pal Section? P.S. I met my wife through this means of communication.

TOM YOCKEL
Lungfish
Baltimore, Maryland

Well, Tom, any number of hateful types have told me where I should put the Pan Pal thing, but—as of this issue—it's no longer a problem.

SKIN DIVER—April 1959

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What do you think about this fat rumor that's been going around, to the effect that there's a good chance a law may be enacted and put into force making it necessary for all skin divers to buy licenses before they can dive—even if they are only diving to stare at the underwater scenery? I've been hearing this horrible rumor more often, lately, and it scares me. What's happening to our basic freedoms, anyway? Skin diving is but another, slightly more elaborate form of swimming. When the day arrives that we must possess paid licenses in order to romp around in the water and under it—we'll have lost something very, very precious. Since you're, more or less, a champion of freethinking and independent living, what are you going to do to fight this terrible thing if it does turn out to be something more than a mere rumor?

JIM WILLIAMS
Tulsa, Oklahoma

Do? Why man, I'll scream my head off in eighty different keys and eighty different directions—all at the same time. Great Scott, what next?

Help! How does one get back to normal after being subjected to living, for two years, with a skin diving addict? My 17-year-old son, Barry, is president of our local skin diving club and spends every cent he can beg or borrow (or steal?) on diving equipment, books, magazines, etc. He literally lives and breathes skin diving! Any day now I fully expect him to bring home an armful of seaweed for me to prepare for lunch! Oh, well—if you can't beat them, join them. I must have caught the bug: I'm actually beginning to enjoy Driftwood, so—you see—there's little hope for me. I'm sick, sick, sick.

DIXIANNE ANDERSON
Wisconsin Rapids, Wisconsin

I know a lot of mothers, of teenage divers, who should be so sick. Actually, doll, that enthusiastic diving son of yours, should be awarded a National Gratitude Award by the manufacturers and dealers of skin diving gear. Without him (and others like him) they would not be raking in the millions of dollars they have been grubbing up, lo, these past few years. Auxier, if you swing a tactful, blue pencil over those last three lines, I'll resign. It's my crummy, biased opinion and I'll stick to it come lawsuits or outraged notes from chintzy dealers who never parted with a token piece of free gear since they set up shop. This excludes a certain number of dealers whose innate generosity has, at times, almost sent them into bankruptcy.

Here's a picture of my 3-year-old son, "Stoney," and my husband . . . snapped at Indian River inlet, Eastern Shore, Maryland.



I read your column every month and really enjoy it. Some of those letters you get are sure crazy, but you usually have the right answers. Once in a while you do get one that makes sense—and helps guys, like my husband, who are just learning to skin dive. "Stoney" likes to look at the SKIN DIVER, too. I have a hard time getting it away from him.

MRS. LEE TATE
Havre de Grace, Maryland

Look . . . Stoney . . . be a good kid and give the magazine back to your ma. You have plenty of time to grow up into teenage and give old Unk a lousy time of it, later.

Kohler, just where did you ever get the idea that you rate a page of your own? I've asked a lot of people about you, and none of them ever heard of you in the skin diving world until you were allowed to get away with this Driftwood caper.

JOANNE BRADLEY
Akron, Ohio

Well . . . there's this Sprints thing named after me . . .

As an avid reader of your column, I feel I can turn to you for advice on the problem at hand: I am doing some salvage work at the bottom of a local fresh-water lake, at a depth of 100-feet. Temperature is about 34-degrees and I usually spend two hours down there before I get cold enough to warrant an exposure suit. My problem is getting the suit on, at this depth, since it's a dry suit. Can you recommend a good brand of water-proof talcum powder?

DAN MARTIN
Fresno, California

No, but I can recommend a good psychiatrist who has been looking for your-type case to broaden his professional scope. Sheesh.

McSplash



"That mask leaking again?"

Man, when I heard tell like you were scribbling the storytime bit in this DIVER magazine like, I bugged out for the closest newsstand merely to catch the act. Fell like huge for the whole romp, Big Daddy. Been going at this Jollyville game for almost a year now and still digging it all the way out. Them crazy items flipping around down there haven't gored me yet. It's like keep the curtain up every weekend, man!

GEORGE LAMONT
Hollywood, California

Which, I guess, proves rather conclusively that this business of cats loathing water is so much propaganda. I mean, it's like false testimony and all.

Dear Glub, I wish to inform you that the club and I have been reading your crazy column for a long time. It seems to me that it's just one, big sounding-board for overstuffed, fair-weather divers from California who call themselves skin divers. I bet these mama's boys have never tried hunting in cold, murky water—like that found on the upper East Coast . . . where you have to be a Sportsman (with a capital S) to come in with a good catch.

MICHAEL MERLINO
Manhattan Viking Skin Divers
New York, N. Y.

Mike, stay in New York and never come out west, because you are now Dead (with a capital D) if any of the mama's boys, out here,glom onto you.

There's been a good many Deadwood columns since that ill-famed, long ago day when—in comparative innocence—I wrote, simply asking if you knew the legal limit on manta ray. You've never really answered the question, although it has been repeated numerous times by other readers. Is there any possibility that you might tell me why the smaller bubbles seem to rise faster than the larger bubbles?

JERRY NEWMAN
Long Beach, California

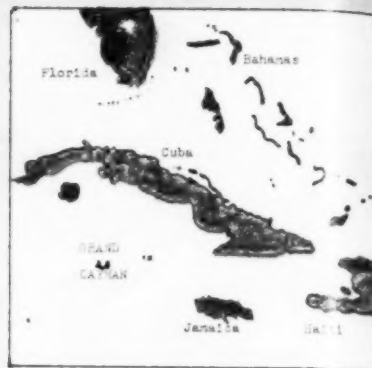
Listen . . . Jerry . . . take my word for it, it's nothing but a filthy rumor. Honest, kid.

. . . and there you have what has been cruelly described by our more articulate critics as a "real nothing experience." However, unkind words and harsh outcries cannot unnerve us nor stem Driftwood's progress. Only in Driftwood is sanity so close to the brink. If, at times, the atmosphere—here, on this bleak, wind-ravaged stretch of adjective-strewn shore—seems to wax darkly, it's mostly because we're militant realists who cannot abide anyone who refuses to welcome sand in their concepts or sunlight across their opinions. You will, of course, streak down here, next month, and I'll try to make the coffee stronger. Come back, singing.

Carl Kohler

DIVING, TRAVEL TIPS ON

GRAND CAYMAN



By BARBARA WHITE

JUST 453 air miles southwest of Florida is the unspoiled island called Grand Cayman, a skin diver's paradise because of the breath-taking clarity of its waters, abundance of big fish, and great number of underwater wrecks.

It is a lazy, carefree island inhabited by a friendly population. Most of its people were born there, and will probably spend their last days on the island. Many leave Grand Cayman to see other parts of the world, but they all return, and for good reason. At relatively undiscovered Grand Cayman, there's a simplicity and beauty of life that's not found elsewhere.

When you set foot on the island, you notice the great number of Caymanian girls . . . some white, some brown-skinned, and almost all lovely. Young men are noticeably absent from the scene because the majority of Grand Cayman's male population goes off to sea to work on the big ships. Caymanians, because of their marine environment, are said to make the best seamen in the world.

There are several Caymanians who run fishing excursion boats, among them Captain Ertis. He is quite a colorful figure . . . a fast talker who could probably convince a pack of Eskimos that they need air conditioning. Be prepared to offer sales resistance when you meet him! His excursion includes a delicious beach lunch of fresh lobster. It's cooked in salt water, served with lime juice and melted butter. The going rate is \$35 a day for four people.

There's a top American skin diver on the island, Tom Hubbell. Tom has complete skin diving equipment, including

a compressor. Even if you're an expert skin diver, it's best to go out with Tom the first day because he can show you the most beautiful reefs, the most interesting wrecks, and the areas where there are the most big fish and marine tropicals. He charges \$8 a day per person as a guide, and it's well worth it. He rents lungs for \$8 and fills tanks for \$2. He has glass-bottom outboards and rowboats for hire at \$10 to \$15 per day.

Actually, it's not necessary to go skin diving from a boat. Grand Cayman has six miles of golden beach that lead into colorful shallow reefs brimming with a kaleidoscope of rainbow-hued marine tropicals. And, there are many rocky points where you can jump off into deep water and head for the living brain and staghorn coral where the larger fish live.

The marine tropicals most prevalent in Grand Cayman are Angel Fish, Beaugregories, and Blue-Headed Wrasses. Although you can catch them by chasing them into a conch shell and then trapping them inside with the palm of your hand, the best method is with butterfly nets. Get two small ones, one with a short handle and one with a long handle. Use the long-handled net if your fish darts into a cavity of the reef. Better bring along a supply of oxygen pellets if you plan to bring them back into the U.S.—they need much more oxygen than most fresh-water tropicals.

Because of the reefs that surround Grand Cayman on three sides, the waters are said by many people to be the clearest in the world. At some places these reefs drop to depths of 100 fathoms. Hubbell said that there are unclassified monsters in these depths. Just off the dock at George Town, the capital, are coral heads that tower from the bottom 40 feet below to the surface. The bottom is a mass of caves where tarpon, jewfish, and grouper lurk.

Most of the big fish can be found at Gun Bay. The most plentiful are snap-

per and grouper. Although it sounds like a "fish story," Hubbell assures me that snapper run up to 110 pounds and grouper are commonly 200 pounds in this area. There are many wrecks on Gun Bay reef (only the most interesting ones are pinpointed on map) because this was the spot approached first by the old galleons and sailing ships going with the north-easterly trade winds. On one occasion, ten English warships struck the reef and sank in one night. For their part in rescuing the English sailors, the Queen declared all Caymanians exempt from being drafted into military service forever!

Between diving trips Barbara explored the island. Below, Burns Ruffy shows her a barren, craggy field consisting of rock that sounds metallic when struck with a hammer.



But Grand Cayman offers much more than a skin diver's Utopia. When I arrived at the island, I quickly checked into my room at the Pageant Beach Hotel, donned casual clothes and thong sandals, and set out on a rented bike to explore George Town. Excellent English bikes are just \$1 a day. In the center of the town, I noticed a group of Caymanian boys and men milling around a small two-story building. I walked up to one of them and said, "Mon, what's going on?"

When he replied, "Mon, don't you know? It's court day!", I felt accepted on the island. I went upstairs to the courtroom, and was informed by one of the elegantly dressed constables at the door that I would have to wear a hat or handkerchief on my head to join the spectators. The courtroom is about 20'x30', with a raised stage upon which sit the judge, two attorneys, the judge's secretary, the police chief, and the defendant. The audience sits at the rear of the room on two benches, each seating five people at the most.

The case being tried was a colorful one. The defendant, a pretty Negro girl, had falsely accused one of the constables of mistreating her. The judge, a tawny Jamaican, displayed a keen wit in his remarks to the girl. While the trial went on, a little white dog scratched himself uninterruptedly in the center of the space between stage and spectators. The British flag, and pictures of the Queen and late King of England, occupied a prominent place



Caymanian diver Tom Hubbell goes after a grouper lurking near one of the wreck sites off the east end of the island. Burton McNeely Photo.

in the room. Grand Cayman's court is well worth auditing.

At night, there's either a dance at the Yacht Club or the Beach Club. The Yacht Club is small and friendly, frequented by the more prominent people on the island and tourists. The Beach Club is more uninhibited. Native bands play local and American melodies with

a wild Calypso beat. One of the instruments is the "rhumba box," a unique Caymanian device. It's shaped like a square box with a hole in its front center. Metal strips are nailed at one end across the hole. A native straddles the top of the box, reaches over its front, and springs the different metal strips. The result is an amazing "thunk-thunk" sound in various keys.

Each song played lasts for 15 or 20 minutes, and after you've done the Calypso this long, the calves of your legs feel like numb rubber bands. I discovered a practical solution to the problem. Dance the first five minutes of the song, sit down and have a drink, then go back for the last five minutes of the dance. It works like a charm!

If you're lucky, the natives will be having a "curried goat party" during your stay on the island. It's a wonderful experience, eating steaming curried goat, drinking, dancing, and talking with these friendly people. Their speech is a charming mixture of Elizabethan English and seafaring terminology, especially humorous when you overhear them talking about women. A well-built Caymanian girl walked by and one young seaman remarked, "Mon, what a superstructure!" Then, he spied a rather plump woman and said, "My, she's heavy at the stern."

One of the most interesting evenings I spent on the island was at the Sea View Hotel's bar with the hotel's owners, Capt. and Mrs. Frank Roulstone. Formerly from Tampa, Florida, the Roulstones are delighted to talk with

(Continued on Page 43)

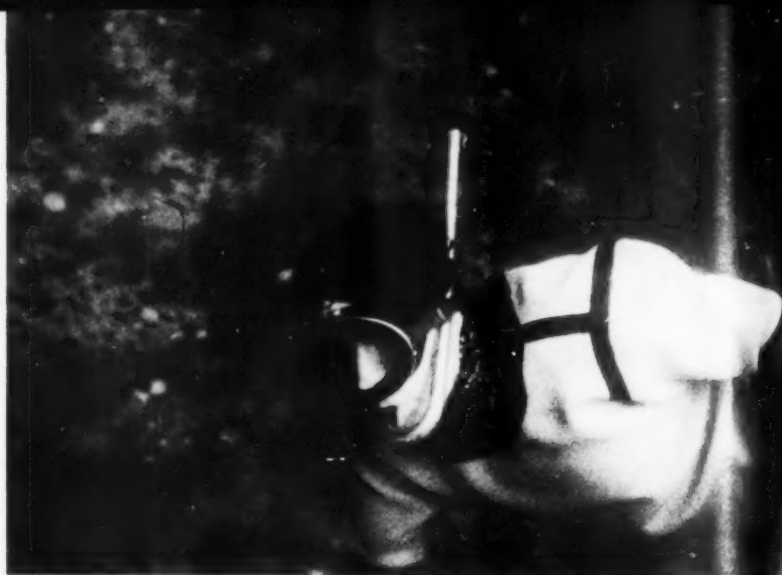


Nationally known underwater photographer Burton McNeely adjusts his gear for another pictorial of the treasure hunting activity off Grand Cayman.



By **WALT C. DEAS**

Scottish author and photographer Walt Deas has recently moved mask and camera to Queensland Australia where he will dive on the Great Barrier Reef. On the right is Walt's picture of Stan Stampe exploring the bottom off Arisaig.



ARISAIG

ON THE SCOTTISH WEST COAST

ONE weekend members of the Undersea Research Group and the Dundee Sub-Aqua Club left Dundee, Scotland, for the west coast. Bill Holoyd, his son Bill, Bob Shepherd and myself left early in Bill's Ford Consul. After quite a few hours we arrived at the area agreed upon. This was a pleasant spot called Camas on Daraich situated between the villages of Arisaig and Moror.

It is doubtful if there is any part of Scotland of equal area possessing such a variety of entrancing scenery, from rocky coastline to green isles and creamy sands, deep glens, flat moorlands and rugged hills.

We set up camp and then explored the very clear water. Visibility was about 40 feet along the shore edges and the submarine formations were wonderful. The water depth averaged 10 to 20 feet around one area where many small fish were spotted, but nothing large. We snorkeled for miles exploring the fascinating coastline, and finally gave up as it became dark and the 50° water started making itself felt through our dry suits.

Midnight came and there was no sign of Stan Stamper, Alan Doyle and Geoff Wilson. They had been expected many hours ago. We phoned Dundee from a public phone at Arisaig to see if they had left. Yes, they had.

At this time of night there was nothing we could do except perhaps pray they had not gone over some of the sheer cliffs which make the road from Fort William quite an experience.

At 3 a.m. our sleep was shattered by the arrival of our lost party. One of the springs on the car had broken while they were in a lonely glen miles from a garage. Stan and Geoff and a mound of equipment were deposited at the roadside and Alan took the car to find a garage. By the time he came back Stan and Geoff were in a nearby cottage with a local farmer and his daughter. Alan soon dragged them away and they drove in.

Stan awoke early the next morning to find a large tongue rasping its way over his face. A fierce-looking Highland cow was standing over him. After the commotion we had breakfast and then into the water, as we had to head back that same evening.

Where we were camped we could look down on the Atlantic and out to sea beyond the Hebrides. To the northwest were the hazy blue mountains of Skye and due west the outlines of the isles of Rhum, Eigg and Muck. These islands rising from the deep presented a very striking scene which varied according to the conditions of the atmosphere.

Under a blue sky we all went snorkeling, some with spear guns and some without. I had my Leica and probed for some decent underwater shots as this was the first clear water we had been in for over a year. Dry suits were worn by all except Stan who wore a sponge rubber shorty. How he did it is beyond us.

We swam around small islands and explored every reef, but not once did we see any large fish. Later with a loan of a small boat we searched for deep water to use our lungs, but it never seemed to be deeper than 30 feet. It seemed that to get to any reasonable depth we would have to go far out, but with the short time we had left we used up our tanks in what proved to be an excellent reef with a great variety of marine life. In many places the reef was covered in soft coral which was a brilliant red and purple. There was a forest of tangled seaweed and oarweed, ten feet high, in which an occasional fish was seen. With air running low, we gathered a few mementos and headed for the surface.

We broke camp and headed for home with memories of little sandy bays with crystal clear water, hills of purple heather, sea birds wheeling overhead and the soft breeze scented with tangle and clover hay, the underwater reefs in all their color and the little pipefish head first in the seaweed like an ostrich.

THE BAHAMAS

Photography and Spearfishing Paradise

On a recent tour of the islands of the British West Indies, Serge Birn, Dr. Clyde Harrison and I decided to stop off at the Grand Bahama Island and visit a few friends. While there we asked at the Grand Bahama Club, which has not only the best but cheapest accommodations on the islands, where we could locate a guide for our three-day stay. We had arrived at a bad time—it was a week end and all available guides from the Club and the nearby town of West End were booked solid. So, being somewhat exhausted anyway, we decided to rest up that day by bicycling into nearby West End. On our arrival, we decided to purchase our quota of liquor to take back with us to the States. At the Buccaneer Yacht Club's retail liquor store, we met the proprietor and his very attractive wife, Mr. and Mrs. Bernard R. Butler. After some friendly conversation, during which they found out we were there for underwater photography and a bit of spearfishing, Mr. Butler volunteered to act as our guide.

Bernie's private 16-foot skiff proved to be a very fast and seaworthy craft, and in no time at all we were taken to his private fishing grounds ten miles distant. As is always the case at Grand Bahama Island, one is never disappointed. Upon entering the water, vast formations of coral and fish life spread before our eyes. Serge and Clyde bud-died up and went their way. Bernie and I went ours. After an hour or so of photographing the breath-taking scenery we returned to the boat to find Clyde alone. Clyde explained that in the chase of a nine-foot hammerhead shark, in which he lost his only three free spears, he and Serge became separated. We immediately started searching the area but after what seemed a long time we still had seen no sign of Serge. Finally, after one-half hour and three miles away, we found Serge nonchalantly towing a large shark. Upon entering the skiff, Serge explained that while swimming alone, after losing contact with Clyde, this hammerhead shark had taken him by surprise. He ex-

Standing, Dr. Clyde Harrison and Bernie Butler. Kneeling, Serge Birn and Gene Vezzani.



plained further that while swimming along completely engrossed in the beauty of the coral and fish life he had a shivering feeling that someone was watching him. He quickly turned, only to find on his heels a bleeding hammerhead shark that looked one hundred feet long. His mind in that moment of apprehension could not understand why this shark had what looked like three spear shafts protruding from its head.

The shark, it seemed to Serge, by its quick pick-up of momentum, was about to attack. Serge placed a spear from his powerful spring gun into the shark in an area above the forehead, killing it almost immediately, and began lugging it home, three miles from land—but then, that's Serge!!! Dr. Harrison retrieved his three spears not without some difficulty; we tied the shark to the boat and settled down for a good lunch. After lunch, Doc and Serge posed for me underwater while I shot a few hundred feet of 16mm film for the record.

Two large black-tip sharks suddenly appeared on our tails from out of nowhere—we cut our prize loose and left the area as quickly as we could.

That afternoon while spearfishing with Bernie, he noticed directly below us, approximately seventy feet, three fast-moving amberjack weighing from twenty to thirty pounds each. In a spectacular dive, Bernie lunged after the fish, releasing his Hawaiian sling from a distance of approximately ten feet and killed a jack immediately on contact.

Bernie, a native Bahamian who knows

the waters thoroughly—having fished all over the Bahama Islands since childhood, pointed out the various techniques in spearfishing. He stated that you should get a brain or head shot to kill most large species of fish. In order to stop or slow down a large manta, or any other ray, the best technique is to shoot your spear into the wing of the ray, thereby throwing it off balance, enabling you to then "call your shots." Bernie's spectacular skill in the use of the sling and his ability to stay down for long periods of time were amazing to us, and Serge, Clyde and I concurred that this Bahamian far surpassed any American or European free diver we had ever seen.

We learned a few days later through Bernie's wife, and as evidenced by newspaper photos and articles, that he holds the Bahamian Spearfishing Records for taking the following fish singlehanded with free spear and sling: A tiger shark weighing 540 pounds, 11 ft. 3 in.; a 68½-pound barracuda, 5 ft., 8 in.; a 72-pound amberjack and a 72-pound moray eel, 7 ft., 1 in.

We would highly recommend Mr. Bernie Butler as a guide (his fees are very reasonable) to anyone contemplating a trip down that way.

Having fished and photographed the many various islands in the Bahamas, and being familiar with the top skin diving spots, hotels, weather conditions and charter boat facilities available, I would be very happy (at the drop of a hat) to accompany any individual or club on any trip to these fabulous waters at no cost whatsoever to you. Although I fish these waters six or seven times each year, from April to September, diving companions are hard to find. You may write me at 66 Pryor Street, NE, Atlanta 3, Georgia.

By GENE VEZZANI



Homer Lockwood Photo

NATIONAL CONVENTION

First Annual Meeting of Skin Divers Acclaimed Tremendous Success

Official Address —

Carl H. Hauber, Corresponding Secretary
P. O. Box 724, Station A
Champaign, Illinois



One of the many committee meetings held during the First Annual National Convention, Boston, Mass., February 21-22, 1959. Homer Lockwood Photo.

THE year of 1959 will be remembered as the historic year in the sport of skin diving: January 9, 1959 the World Federation of Underwater Activities was formed in Monaco (see SDM, March 1959); February 21 and 22, 1959 the foundation for the Underwater Society of America was laid in Boston. Suddenly, after many years of thought and effort, the entire sport of skin diving was organized on a worldwide basis. The United States was brought under one organization in Boston, to direct and guide all of the activities of this country, and the countries of the world were united at the meeting in Monaco that formed the World Federation. Of course, it will take a number of years for the organizations to become truly efficient and representative of the areas that they cover in scope, but the organization is here . . . the foundations have been prepared. There can be no national dispute, race or creed differences that can dislodge the foundations created for the united sport of skin diving on a worldwide basis.

The delegates of councils representing areas from Texas to Canada attended

the First Annual National Convention of Skin Divers. Council representatives attending and their organizations are as follows:

John K. Whelan, Pres., Northeast Council, 66 No. Summer St., Fairhaven, Mass.

W. H. Taylor, Alt., Florida Skin Divers Assoc., 117 Bay Point Drive, St. Petersburg, Fla.

William H. Jacobs, Pres., Conn. Council, 1014 Trout Brook Drive, Hartford, Conn.

Carl H. Hauber, Sect'y., Illinois Council, 204 W. Pennsylvania Ave., Urbana, Ill.

J. W. R. Johns, Alt., Ontario Underwater Council, R.C.A.F. Station, Camp Borden, Ontario, Canada.

Bill Barada, Alt., Calif. Council, 2306 Amherst St., Los Angeles, Calif.

Don Ferrin, Alt., Central Calif. Council, 230 Jay St., Apt. 12-H, Brooklyn 1, New York.

Nelson Mathison, Atl., Calif. Council, 3515 East 1st St., Long Beach, Calif.

Hal M. Lattimore, Pres., Southwest Council, Continental Life Bldg., Fort Worth, Texas.

Eugene D. Vezzani, Alt., Georgia Skin Divers Assoc., 66 Pryor St. N.E., Atlanta, Georgia.

George E. Krasle, Pres., So. Council of Skin Diving, 465 Loidans Drive, N.E., Atlanta, Georgia.

John Brown, Pres., New Jersey Council, Tulip Rd., Llewellyn Pk., W. Orange, New Jersey.

Don Marchese, Pres., Empire State Council, 2277 W. 6th St., Brooklyn 23, New York.

David Stith, Alt., Middle Atlantic Council, 3104 Gilham Street, Phila., Pa.

John J. McAniff, Pres., Rhode Island Council, 184 Bellevue Ave., Newport, R.I.

Ray Meisenhalder, Alt., Southwest Council, 4833 White Settlement, Ft. Worth, Texas.

UNDERWATER SOCIETY OF AMERICA

(U.S.A.)

February 22, 1959

The First National Convention of Skin Divers has culminated in the successful formation of the "Underwater Society of America."

This "first" in the history of skin diving became a fact with the completion of the convention held at the Hotel Bradford in Boston, Massachusetts, on February 21 and 22, 1959.

The Governing Board of the new national society will be Council Presidents or properly appointed alternates of all the country's skin diving councils, and the policy recommendations of this convention are to be submitted to all councils and their clubs for ratification.

The Governing Board will accept bids for the 1960 National Convention no later than June 30, 1959, decision to be made at the September board meeting.

All who wish further data on the convention should write direct to the Council in their area.

Underwater Society of America
Publicity Release Committee

John McAniff
H. V. "Pappy" Flood

Louis W. Whittaker, Alt., Washington Council, 1123 2nd Ave., Seattle 1, Wash.

There were official representatives for sixty clubs and some 500 delegates were registered.

Saturday morning, at the opening of the convention in the grand ballroom of the Hotel Bradford, the national

anthem was played, followed by the invocation and then a period of silence honoring the late Don Robinson, first President of the Northeast Council of Skin Diving Clubs, who was killed in a boating accident in Florida.

During the convention several people expressed their doubts that some 500 people, skin divers, could hold a meeting for the first time and actually coordinate some line of work to a successful conclusion. Observers saw the results of planning and effort by a few devoted persons result in a great example of order, spirit of cooperation and faith in country and council during the convention. In Boston, divers from Maine to California — who had corresponded for three and four years — were present, and they finally had the opportunity to sit down and talk about diving face to face for the first time.

Saturday evening the convention banquet was held with an attendance of over a thousand divers and friends. Major speaker of the banquet was Cap-

(Continued on Next Page)



First to register for the Convention were Paul Connelly and Ben Alexander of the Boston Sea Rovers. Bradford Hotel Manager Sweeney inks the divers for the annual meeting. D. Briggs Photo.

CONVENTION . . .

(Continued from page 27)

tain J.-Y. Cousteau who delivered an enlightening talk about the future of skin diving. Many personalities were at the banquet . . . Herb Shriner, Art McKee, David M. Owen, Arthur C. Clarke, Jim Dugan, Dr. Harold Edgerton, Nixon Griffis, Gustav Dalla Valle and others. Following the banquet there was entertainment and dancing.

The second day of the Convention the work continued on the floor and everything went according to schedule until the end of the meeting. The real work of the entire convention was done in executive sessions of the Board of Governors and by the ten committees and their appointed chairmen. Before the closing of the convention each committee chairman read his report to the assembly. These reports contained the recommendations of the committees for the convention.

Observers felt each committee report reflected an understanding of all the problems of the new society and that the reports were good and constructive. Many were impressed with the committee work, as the problems of the sport were quickly determined and excellent solutions recommended for future action by the U.S.A.

A very interesting display of skin diving equipment was presented at the show by leading manufacturers and many local jobbers and dealers. The Massachusetts Institute of Technology also had a display of diving interest. At the end of the show, Al Popp of Holyoke Underwater Supply held a drawing for a Dacor regulator for people who had subscribed to SDM during the convention in his display.

In everything that happens—conventions, meetings, displays—people will find the good things and the bad things. In every planned organization there will be things that work and other things that don't work. The Boston Convention of Skin Divers was no exception . . . but the divers of the United States should be grateful to the Northeast Council, Dick Myers and his committees, for calling together for the first time all of the various organizations connected with skin diving in the United States.

In Boston, as in Monaco, it has been confirmed that every time skin divers meet . . . despite the fact that they may come from different countries or different states . . . despite the fact that they may speak different languages and may have different ideas as to how to accomplish things and to organize themselves . . . they all quickly arrive at a basic understanding. Unity at all costs, and this is because all of us are divers and are united in one big love . . . the underwater world.

Sketches made at the First National *Gene Fisher*
Skin Divers Convention, Feb. 21-22, 1959, by



INTER-COUNCIL UNITY

COMMITTEE PRESIDENT'S MEETING

An All-Council Presidents' meeting was called by the Inter-Council Unity Committee, January 31, 1959, at the Hotel George Washington, New York City.

The following councils were represented at the opening: California, Central California, Connecticut, Empire State, Middle Atlantic, New Jersey, Northeast, Rhode Island.

June Kieser, Inter-Council Committee secretary, opened the meeting at 2:30 p.m. and immediately called for the election of a chairman. Bill Barada (California) nominated James Dugan. (No council attachment.) Mr. Dugan accepted the nomination on the condition that he would chair only this one meeting. Mr. Dugan was unanimously accepted as chairman.

The chairman stated the intention of

the meeting to be to propose a procedure for the convention held in Boston, Massachusetts, February 21-22, 1959.

First order of business was to elect a secretary. June Kieser was elected unanimously.

At the chairman's request, the secretary read the list of councils signing the Unity Resolution to date as follows: Connecticut, Rhode Island, Empire State, Northeast, Ohio, Southeast (Florida), Alabama, Georgia, Tennessee, Mississippi, Louisiana. Letter of approval from Middle Atlantic. Amendments submitted by: Illinois, California, Southeast (Florida).

It was agreed to review the Unity Resolution with a view to accept, reject and/or amend it in part or in full, with the following results: (see the Unity Resolution, this issue).

Inter-Council Unity Resolution on Convention Procedure 1959

Underwater Society of America

The undersigned regional councils unanimously subscribe to the following proposals to the underwater convention in Boston Feb. 21-22, 1959. The resolutions resulted from extended discussions in clubs, councils, and inter-council meetings and were adopted as a means to insure fair representation of all organized divers in the convention.

I CHAIRMANSHIP

The convention shall elect the chairmen of all general sessions.

II PROPORTIONAL REPRESENTATION

To assure fair representation of all organized divers we propose that the convention credentials committee issue voting credentials on the following basis:

Unaffiliated delegate—one vote in committee only

Each club not represented by a council delegate—ten votes in this convention

Each council—ten votes per club in existence on Jan. 1, 1959, subtracting ten votes for each member club having a voting delegate in this convention.

III COMMITTEE WORK

To prepare policy resolutions for the convention, we propose that each delegate upon registration be given his choice of policy committee, and that these committees go into session prior to the first general business session to produce resolutions for the general assembly to consider. These policy resolutions shall guide the national council and national officers of the Underwater Society in framing a draft Constitution and By-Laws and standing committee procedures to be submitted to the next convention. We propose the following policy committees:

- Legislative
- Finance
- Constitution and By-laws
- Underwater Safety
- Membership
- Research and Information
- Science and Education
- Nominations and Elections
- Competitive Skin Diving

IV PROPOSED DUES

We advocate single-card membership of the divers in the club, council and society, with dues collection at the club level, and council and national dues passed up to these organs. National dues should be based on the cost of running an efficient service to clubs and councils.

V GOVERNING BOARD OF THE SOCIETY

We believe that the governors of the Society should be constituted of Council presidents or alternates chosen by the councils and not elected in the convention, and that the Presidents of existing councils should automatically become members of the Governing Board, if and when such Council Presidents can offer satisfactory proof of a functioning council democratically chosen by the member clubs. We believe that the Board of Governors should at all times have a larger total vote than the elected national officers, if any, and that said Board of Governors be directed to divide the United States into no more than nine regions for administrative purposes. These regions to be administered by an officer who shall be selected by the governors of that region.

VI INTENT OF THE UNITY RESOLUTION

The councils subscribing to this resolution believe that it will immediately benefit the work of the convention if adopted, since the resolution already represents a large number of the nation's organized divers.

This resolution is offered to aid in an orderly transition of the convention into the Underwater Society of America, and to expedite the work of the convention, which might otherwise spend a great deal of valuable time on procedures. We urgently invite the widest discussion in clubs and councils of these proposals so that the National Unity Resolution can be formed before the convention. We invite immediate adherence by sister councils and other inter-council unity meetings to consider the resolution.

We feel that there is a definite need for a national organization to correlate skin diving activities in the interests of fair legislation on a national level; to set up national standards on competition, safety procedures, training programs, conservation and other activities pertinent to diving.

(Signed)

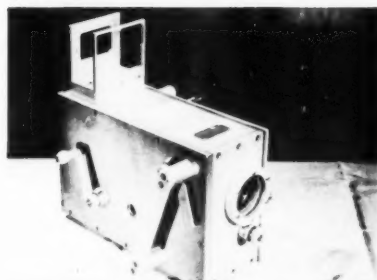
John K. Whelan, Pres., Northeast Council
John J. McAniff, Pres., Rhode Island Council
John Brown, Chairman, New Jersey Council
David R. Stith, Pres., Middle Atlantic Council
Don Marchese, Pres., Empire State
Will Jacobs, Pres., Connecticut Council
Don R. Farrin, Alt., Central California Council
Bill Barada, Director, California Council



ELECTRONIC UNDERWATER METAL DETECTOR—The latest instrument for use by skin divers and underwater salvage concerns is the Goldak Model UD-11 Underwater Metal Detector. Fully portable and entirely self-contained the instrument is designed to be taken into the water and will operate successfully at depths at 100 feet or more. The unit is powered by four small flashlight batteries which will last for many months of use. The UD-11 will locate iron, steel, brass and aluminum as well as copper, gold, and silver. For additional information write: The Goldak Co., Inc., 1544 West Glenoaks Blvd., Glendale 1, Calif.



SWIMASTER BELLO-FLEX SNORKEL—This innovation in design adds a new dimension in snorkel performance. You breathe with your mouth completely at ease. The Bello-Flex mouthpiece hangs out of way when not in use. The Super-Size all rubber flexible tube gives you all the air you'll ever need, with no snagging or tangling. Bright safety yellow tube for easy visibility below the water or on the surface. #6S10 Bello-Flex Snorkel sells for \$2.95 at your swim equipment dealers. SWIMASTER, affiliate of Pacific Moulded Products Co., Los Angeles 1, California.



NEW CECO UNDERWATER HOUSING FOR KODAK K-100 CAMERA—A new underwater housing which permits the KODAK K-100 Camera to be used underwater. Designed specifically for the KODAK K-100, this new housing has a combined weight with the camera of only 30 lbs. Its compact size, 12¼" x 9½" x 12½", facilitates its use by the cameraman in all underwater cinematography. All camera controls can be easily operated underwater. Viewing ports show film exposed, iris setting and spring wind. Forty feet can be exposed on one wind. For additional information write: Camera Equipment Co., Inc., 315 West 43rd St., New York 36, N. Y.

Fogman Crops

Skin Divers
To Seek Sub
Off Seaside

Underwater Job
Thrill For Girl

Diver Locates
Box of Bullets

Americans Are Goggle-Eyed
Skin Diver Of Skin Diving
Sealed in Tank



Leader Urges
Olympic Spot
Skin Diving
Worth \$762 Sh
Bardot Takes Movie Dive
Underwater Fishing
Thrills Described

NEWS CURRENT

NEWS FROM AROUND THE GLOBE
COMPILED AND EDITED IN
SKIN DIVER OFFICES.

Local diving news from readers welcomed.

Skin Divers Clean
Debris From Lake
Archae
SKIN DIVING TOPICS
FOR AIR RESERVE
Skin Divers Hunt
Dam Burst Victims
Scuba Di

NEWPORT, RHODE ISLAND — Divers around the Block Island area are warned to keep their eyes open for three 1,000 pound bombs in a crate. The bombs are unfused and probably won't detonate but the Coast Guard has warned mariners about their presence. The bombs apparently belonged to the Air Force although the Navy in the area did not know anything about the reported loss of the crate.

MASSACHUSETTS—James F. Cahill, president of the New England Divers Inc., has been named to a newly appointed commission to recommend safeguards for the sport of skin diving. The new commission was set up by Massachusetts Governor Foster Furcolo as a result of the increased popularity of skin diving in the state. Others on the commission include James B. Hurst, Everett D. Lewis, Frank Holland, Sgt. James H. Cleary, James F. Whalen, Dr. James L. Whittenberger, Lt. J. Frank King, Prof. Harold Edgerton and David M. Owen. Cahill was named chairman of the group.

PACIFICA, CALIFORNIA—Robert Keating was injured recently when a compressed air cylinder used to operate a speargun exploded. The diver was attempting to compress the speargun into the air cylinder on the beach near Pedro Point fire house when the accident occurred. Keating was struck in the left hand and abdomen by flying pieces of jagged metal and was taken to a local hospital for observation of internal injuries.

PORT ANGELES, WASHINGTON — John Sweat has had a run on recovery jobs in the last few months. Listing some of these, they run from recovery of a chain saw dropped by a pile driving crew to the finding and hooking operations of a late model auto accidentally run into the bay. The last job, however, takes the cake. Recently a full grown caterpillar was run off a barge into the bay, and of all the jobs handled so far this one appeared the most ridiculous underwater. What looked odd

was the fact that the machine was standing up on the blade with the aft end aimed at the surface.

NEW HAMPSHIRE—Since the taking of lobster by scuba is outlawed, various skin diving clubs are pressing for a compromise bill with the lobster fishermen.

SAN MATEO, CALIFORNIA—Jim Reed and Richard Selmi of the Sea Lions of San Mateo County Inc. assisted the city of Pacifica by making a survey of the sea bottom as part of an anti-pollution program. They took samples with an auger made for that type of work.

NEW WESTMINSTER, B.C., CANADA—A market for octopus as halibut bait has been found by a group of Royal City skin divers. They recently landed three of the creatures and later sold them to a halibut fisherman for 30 cents a pound. The catch totalled 163 pounds netting the group of divers \$48.90.

HONOLULU, HAWAII—E. R. Cross, Jim Wozumi and Fritz Hertlein set out recently to dive for lobster. Jim knew of a lobster "hole" and donated the use of his 31 foot power cruiser while Cross and Hertlein were scheduled to dive. On arrival, however, it was found that the visibility underwater was very poor, so the lobster dive was abandoned and it was decided to deep sea troll in Mamala Bay for the remainder of the afternoon. Approximately six miles off Pearl Harbor an 80 pound marlin was hooked, fought for 20 minutes, gaffed and finally landed very expertly by Jimmie. On arriving at Ala Wal Yacht Harbor with the catch, friends of the trio were certainly amazed to see the 7½ foot marlin instead of the intended lobsters. Thus was concluded a perfect "lobster dive" day!

GREAT FALLS, MONTANA — Legislative action sought by members of the Scuba Divers of Great Falls, Montana, to open the state waters to spearfishermen has been passed. The

only change in the current code is the addition of the phrase "rubber or spring-propelled spears when employed by sportsmen swimming or submerged in the water may be used for the taking of designated species of non-game fish." This bill was approved by the state legislature on February 20.

MIAMI, FLORIDA—A power company skin diver was swept away by the tide and presumed drowned recently while attempting to repair a submerged cable at Norris Cut. Divers from the Miami and Miami Beach police department searched in the choppy waters until dusk but found no trace of the victim, Frank D. Currey. Members of the power company repair crew went to Currey's aid after he apparently became sick in the water. Two men were towing the struggling man toward the barge when he broke free and was swept away by the incoming tide. Police will drag the area for the body.

HURON, OHIO—While Fremont residents were suffering from too much water, residents of eastern Huron were in short supply when ice damaged a water main under the Huron River. Denver Houser, a member of the Sandusky Frogmen Club, entered the icy waters to inspect the damage. It was necessary for the diver to make four dives and spend over 50 minutes in the freezing water before the job was completed.

Diving history—Before modern underwater masks came into use, fishermen off the coast of Greece poured oil on the waters to make it easier to see the bottom where they were diving to spear fish.

MONTEREY, CALIFORNIA—Three Monterey Sand Co. workers turned skin divers to secure lines to the company's big tractor which was driven into the sea by juveniles. The \$20,000 "cat" was completely covered by high tide when the company employees found it.

SACRAMENTO, CALIFORNIA—A report from the Department of Fish and Game regarding the new angling regulations for 1959 did not include the proposed minus tide abalone regulation. There are no changes in the abalone regulations for 1959. Among the new regulations adopted by the Fish and Games Commission that will affect divers along the coast is the increased minimum size limit on kelp, sand and spotted bass to 12 inches, a cut on the daily limit on California halibut from 10 to two, the drop of a bag limit on mullet and a bag limit of 10 opaleye daily. Lobstermen will be required to carry a measuring device to determine the size of lobsters and return undersized bugs to the water alive immediately. The minimum size limit on Pismo clams has been reduced from five to four and a half inches effective south of the Monterey-San Luis Obispo County line.

WASHINGTON, D.C.—Among the new patents listed with the Patent Office during February was one from **Harold E. Edgerton** (patent number 2,872,622). **Edgerton of Belmont, Mass.**, in his patent claims ordinary illuminating devices and flash bulbs are not suitable for underwater photography since they disturb the fish. He has designed equipment that produces a flash of such short duration that it does not bother marine life but is sufficient to expose film.

HALIFAX HARBOR, NOVA SCOTIA, CANADA—A 14-ton anchor and chain have been located in **Halifax Harbor** by **Harold Smith**, deepsea diver and salvage operator. Although the salvage operations were carried out entirely by **Smith**, a frogman was sent down earlier for positive identification. A \$4,000 award has been placed on the anchor by its owner, **Netherlands Line** freighter **Rottl**. The anchor and chain were lost a month prior. Other attempts had been made to locate and salvage the anchor.

PORT ROYAL, JAMAICA—A second underwater search for the secrets of **Port Royal**, Jamaica's seventeenth-century pirate capital, will be undertaken in April by **Edward A. Link**. The expedition under the waters of **Kingston Harbor**, in which **Port Royal** was swallowed up in an earthquake in 1692, is under the sponsorship of the **Smithsonian Institution** and has the blessings of the **Jamaican government**. A first attempt to locate the lost city was made by **Link** with a team of divers in 1956. They found the ruins of **Fort James** and **Fort Carlisle**, which marked the limits of the waterfront area. Although the search is a serious archeological effort, there is a lot of speculation about the possibilities of sunken treasure, as the lost port was the headquarters for buccaneers of the **Spanish Main**.

NORTH WHITE PLAINS, NEW YORK—**Charles Smithline** has returned to his home in **New York** and denied reports that he had gone to **Cuba** to do underwater demolition work for ousted dictator **Batista**. Instead he said in a news report that he wound up doing some diving for **Fidel Castro**. He said he and his family had gone to **Cuba** for a vacation. The diving he did for **Castro** was described as incidental and only exploratory work. He added that he wanted no part of the final mission to bring up several bodies and a safe buried in 450 feet of water. He and two members of the **Cuban Skin Diving Association** had gone down 200 feet, over where the bodies were, to see if it would be possible for other divers to bring them up. They decided it would take deepsea divers to do the job. The bodies and safe containing the victims' names had been dumped following their capture during a revolt at a naval post.

SEATTLE, WASHINGTON—Eighteen skin divers took an unintended plunge over the turbulent **Sunset Falls** where the **Skykomish River** takes a 30-foot drop. At least eight were injured, apparently none seriously, although one of the divers was unconscious when pulled from the river and another suffered a ruptured eardrum. The divers were attempting to "shoot the rapids" of the river, not the falls. The mishap didn't discourage the divers from planning similar excursions in the future. **Frank Wolff**, past president of the **Nor-west Divers**, said they would probably try again after the river has been scouted more thoroughly. An underwater camera lost in the plunge was recovered at the bottom of the falls still in operating condition.

PHILADELPHIA, PENNSYLVANIA — The YWCA wanted to show off their skin diving techniques to get publicity for its adult classes and asked the **Aquarium** personnel if they might be permitted to enter the shark tank and feed the shark. The answer they received, nope. They were afraid that the shark, not used to swimming around with people, would get so frightened he'd dash toward the glass and bash his brains out.

CHICAGO, ILLINOIS—Hard-hat diver **Frank Hefling** was trapped for six hours at the bottom of a 179 foot construction tunnel shaft in freezing water. Throughout the long rescue operations, friends on the surface kept a constant telephone conversation going to keep the diver awake. **Hefling** had entered the 16-ft. diameter shaft on a routine job to shut a watertight gate that kept water from running from the tunnel into another tunnel which had just been built. His lifeline got caught in the gate door and while trying to free the line, his arm got caught. It took a rescue diver almost three hours to free **Hefling's** arm. When he was about to come to the surface the coxwain's chair (used by the diver to descend into the shaft) got sucked in, taking his right leg with it. While trying to free his left, he tore the sleeve of his diving suit and water entered up to his neck. The diver was finally freed and brought to the surface.

PITTSBURGH, PENNSYLVANIA—Eight members of the **Underwater Sports Rescue Team** of **Rochelle Park, N.J.**, were rushed by ambulance to the scene of the **Pittston** mine disaster to aid in the rescue operations at the **Knox Coal Company** where 12 men were missing. However, the divers were unable to enter the water as the swirling river waters flooding the mine were too treacherous for them to be of use. Hope for the missing men faded as the waters barred entrance to the mines.

NARRAGANSETT, RHODE ISLAND—Exhausted after struggling for nearly two hours to reach shore through 12-foot waves and a strong undertow **Allen Massey** was hauled ashore on a thin lifeline, fired "dead center" by a **Coast Guard** sharpshooter. A companion diver, **David Thornton**, reached the jagged rocks by riding the crest of several huge waves and was badly shaken and bruised when dashed against the rocks in a narrow gully. **Thornton** went to a nearby house for assistance for his friend.

FRESNO, CALIFORNIA—Plans to raise a **B-24** bomber from the depths of the **Huntington Lake** were postponed because of the frigid water temperatures. **James B. Lathan** was forced to give up his search for the 16-year-old wreckage after three dives to about 50 feet because of the cold. **Lathan** is diving for **Arthur Jackson** of **Caruthers** who purchased the plane from the government and plans to sell it for scrap.

ATHOL, MASSACHUSETTS—Skin divers from **Athol, Fitchburg** and **Gardner** assisted in a **March of Dimes** dive in **Greenwood Memorial Pool, Gardner**. The divers assisted in retrieving all coins tossed by pool side spectators. The "dive" was designed for the twofold purpose of raising funds for the **March of Dimes** and acquainting the general public with the functions and value of skin divers.

CANOGA, NEW YORK—**Wesley Struble**, a skin diver instructor, went eight feet under the ice of **Cayuga Lake** to inspect the intake pipe to the **Canoga Pumping Station**. **Water Department** officials sent the diver down to look for accumulation of weeds that might block the intake of water to the station. **Struble** found no evidence of a block near the pipe during his first dive and made plans for future investigations.

LINCOLN, GEORGIA—Six Navy skin divers from the **Charleston Mine Base** joined the search for the body of **Greensboro High School** principal **Roy Burke** who disappeared while duck hunting on **Fishing Creek**. Three other skin divers had assisted in the search for the missing man.

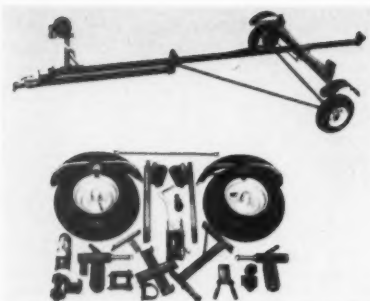
AMBRIDGE, PENNSYLVANIA—Skin divers **Don Stroud** and **Leroy Harriger** of **New Castle** located the body of **Clayton W. Christopherson** who crashed his tractor-trailer right into the **Beaver River**. The body was located in the truck cab more than 800 feet from the bridge in 14 feet of water.

MONTEREY, CALIFORNIA — **James E. French** was stricken with the bends after a 350-foot record dive attempt off the **Monterey** coast. **French** spent two days in the Navy decompression chamber and was then transferred to **Stanford Hospital** where his doctors were still uncertain about the probable extent of his recovery from paralysis arising from nitrogen injury to his spinal cord. **Capt. Albert Richard Behnke Jr.**, the Navy physician and physiologist who nursed **French** through the 48 hours of painful decompression, played a key role in the rescue and salvage operations on the U.S. submarine **Squalus** which sank in 1939 with the crew aboard. The rescue of the crew of the **Squalus** was the first submarine rescue. **Capt. Behnke** warned divers not to exceed 100 feet unless there is a decompression chamber on hand to treat them for the bends if they should black out or come up too fast. The Navy doctor, who has been interested in the physiology of diving since 1930, also warned divers they should not go below 150 feet while breathing compressed air.

HOLLYWOOD, CALIFORNIA—The newest of underwater television programs is entitled "**Malolo of the Seven Seas**" and is being readied for viewing by **Jon Hall**.

PALOS VERDES, CALIFORNIA — Three teenage skin divers were rescued by lifeguards **Jerry Cunningham** and **John McFarlane**. The trio battled ripides more than an hour before a passerby heard their cries for help and called the county lifeguards.

LAKE MINNETONKA, MINNESOTA — **Hennepin** county sheriff's rescue squad divers, **Sgt. Al Herman** and **Deputy Don Sibert**, recovered the bodies of two men and a woman who drowned when their car plunged through the thin ice of **Lake Minnetonka**. The divers said the occupants were missing when they reached the car, having apparently climbed out the left front window which was open. However, the car had moved forward 20 to 30 feet after plunging through the ice and was under ice which balked the trio in efforts to save themselves.



BUILD-IT-YOURSELF BOAT TRAILER KIT ANNOUNCED—A fully engineered boat trailer kit featuring quick assembly is now available. The unit fits any boat up to 16 feet and holds a maximum 1,000 pounds. No special skills or tools are necessary for assembly. Total price is \$59.50 plus shipping charges. The package weighs 70 pounds. All parts including wheels and tires are furnished. The only added materials necessary are four pieces of standard sized pipe. For complete information, write Trailer Products Co., Inc., Box 302, Kingsport, Tennessee.



SKIN DIVER'S COMPASS—Rugged neoprene rubber case with plastic strap. Resists corrosion. Large black arrow, luminous dial for easy reading. Liquid-filled dome provides steady action. Built-in leveling bubble. Price—\$5.95. Manufactured by: Taylor Instrument Companies, Rochester, N. Y. and Toronto, Ont., Canada.



SPORTSWAYS Waterlung Regulator with Sea-Vue high pressure reading gauge—The First Stage has a specially designed High Pressure Orifice into which the Sea-Vue Gauge is fitted. Sportsways Sea-Vue Pressure Reading Gauge is a newly engineered design with Brass Chrome Plated Case . . . pressureproof and leakproof . . . Cat. No. 300—Waterlung Regulator—\$59.95; Cat. No. 302—Waterlung Regulator with Sea-Vue Pressure Gauge—\$79.95; Cat. No. 305—Sportsways Sea-Vue Pressure Gauge (sold separately)—\$22.50.

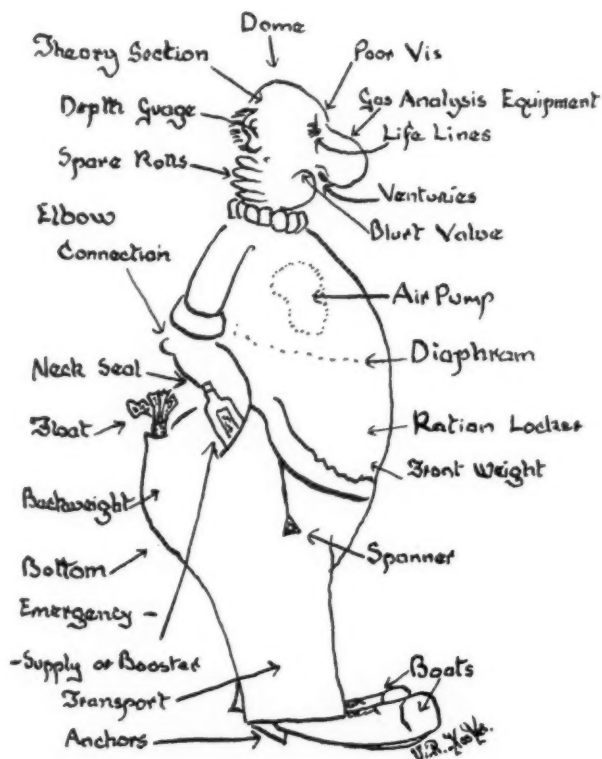


AQUAVISION—is now being made for the new Swimaster Wide View mask. This was announced by Dr. Fred Kornbacher, inventor and developer of Aquavision. Up to the present Aquavision has been made for all of the professional quality masks which use round or oval face plates. Aquavision is useful to all divers who normally wear eyeglasses. Each Aquavision is made to the individual prescription of the diver. The near-sighted, farsighted or astigmatic diver sees as well underwater with his Aquavision as he sees in air with his eyeglasses. For further information write to: Aquavision, 4514 - 8th Ave. N.E., Seattle 5, Wash.



HIMALAYAN PAK CO. has just published its new 1959 catalog presenting its complete line of back packing equipment. An attractive eight-page, three color, 8" x 10" folder, the catalog contains over 40 photographs. Also included is the company's line of aluminum marine and outdoor folding sports chairs, its underwater Aqua Pak for skin divers, plus information on industrial pack frames for specialized needs. Himalayan Pak is recognized as the world's largest manufacturer of back packing equipment. Copies of the new catalog are available by writing "Catalog", HIMALAYAN PAK CO., INC., P.O. Box 1647, Monterey, Calif.

TANK PAL—is a brand new development for the care and protection of your valuable air tank. Constructed for long service, is completely plated to last the life of the tank. The tank stand has folding feet which attach to any standard 70 cubic foot tank in ten seconds with only one bolt. Price—\$4.95 FOB from: Aqua Products, Inc., 2005 Monroe St., Toledo 2, Ohio.



"Anatomy of a Diver"

THE FALLING LIGHT

By JACK E. GLATT

Park Ridge, Illinois

NOT long ago, a diver drowned in Wisconsin's deep Green Lake. A few weeks after the unfortunate episode occurred, the victim's friend and "diving buddy" asked for an opportunity to explain his version of the accident to the Chicago Y.M.C.A. Sports Council. He was a man who was depressed over losing his best friend, but reconciled to face reality. With sincere loyalty, and due respect for his lost friend, he was anxious to advise the Council that the action that occurred during the ill-fated dive was in accordance with all safety regulations prescribed for skin divers, with the exception of the depth attained. He further explained that the dive was preliminary to an attempt for the world's record deep dive which would have occurred in Lake Superior in the near future. He was proud of his deceased friend's reputation as a diver, and deeply concerned over the adverse publicity his death reflected on the sport.

*He came to us anguish hearted
The aire of foolish youth departed
To deliver a story he felt he must tell
Not for his sake, but the name of a pal.*

As told, preparations for the dive were reasonably extensive; taking added precautions to have attendant divers, additional compressed air tanks, ascending lines with marked decompression stations and underwater lights. However, no arrangements were made for the possible necessity of a recompression chamber, should one be required. The group selected a deep part of the lake, and shortly afterward, the diving team, with full gear, descended as rapidly as they could acclimate themselves to pressure. The remainder of the group took their stations and awaited the diver's return. Below the 100 foot level, all light from the surface disappeared and the deep divers were forced to use underwater lights. He went on to say, that at approximately 175 feet, he descended at a quicker pace than his "buddy," soon finding himself beyond the reading of his sports type depth gauge. However, he estimated the maximum depth to be 240 feet, and at which time he

thought he touched bottom. Before he could make sure, and almost as if shocked by an electrical current, he realized he was being seriously affected by Raptures of the Depths.

*He spoke of a tragedy we all knew
Perils in green water and deep diver, too
Little fear of dark depths, but love for a sport
Dove to fathoms beyond sympathy of their court.*

Above him he could barely see the ascending line, but he managed to creep upwardly toward his "buddy's" light at approximately 190 feet. He regained some of his senses in time to feel his friend reach for his hand and shake it. He could not interpret his intentions or his embrace; however, it was apparent both were victims of nitrogen narcosis. Regardless, they retained enough sense to ascend about 20 feet, when he realized his "buddy" was no longer at his side. Frantically he scanned the depths below in time to see a light falling downward and away from the ascending line. Desperately he plunged after him, but the descent sent him whirling into semi-consciousness. Had he not grasped the line, he, too, would have continued to fall. Subconsciously he ascended and regained senses with shallower water. Ignoring recompression levels, he surfaced and excitedly reported his story to the other members of the party. All realized the seriousness of the situation, and a conclusion was reached that the victim was too deep to attempt recovery. The decision came rather quickly because everyone realized no previous arrangements were made for an available recompression chamber, or quick transportation to a chamber, and in addition, the diving gear on hand was now considered limited. They could do nothing but pray and hope, and as time passed mournfully watch the victim's bubbles.

*With embrace and rapture, a light disappeared
Downward a buddy, and then helpless fear
A vigil of bubbles and only time told
Lost was a best friend, some say too bold.*

Sympathy arose among the listeners, as one of the members of the Council, impressed by the survivor's explanation, interrupted him by saying that men with their spirit and physical ability are of tremendous assistance in helping others to better learn human limitations and abide by them. However, the survivor then continued to explain that the diving group encouraged him to go down into the depths again, as a precaution against the bends. Even a person who does not dive, can sympathize with the thoughts that went on in his mind during this time. Later, after the initial shock of the sad occurrence was over, many attempts were made to recover the fatal diver's body. Finally, through the devoted friend's unceasing efforts, recovery was made by dragging. Historically, this was the first time a body was recovered in this manner from such an extreme depth. Unfortunately, this established record was one in which nobody was interested.

*Deep diver, viewer through a window glass
Never approach limitations, much less surpass
Divers with calculated risk, but precautions ignored
Exceptional men and swimmers, respectfully I implore.*

Some of those who assisted in the deep recovery, and who were presumed volunteers, presented the survivor with an unexpected but substantial bill for their services. The bill was submitted to him, possibly because he seemed to appreciate their efforts more than anyone else present. Regardless, this financial reversal did not destroy a thought already taking seed in his mind. He was thinking of a recompression chamber for the Illinois area skin divers in the name of his "buddy." He felt this would be a small but tangible tribute to his friend, and great loss. Acquiring this unit, however, in an area where recompression chambers seem legendary, with only vague information on location, facilities, and availability, would indeed, be important. Only a short period of time has passed since the survivor's visit to the Council, and already there are reports of an initial fund, general solicitation, and sales of raffle tickets for the purpose of the recompression chamber. Some may think his primary concern is with the living, should a chance to save a "buddy" arise again. However, those who heard his story say, "not for his sake, but the name of a pal."

*With debt in hand, and new goal in sight
A recompression chamber to bring back a light.
A help for all divers to safely ascend
Not for his sake, but an immortal friend.*

LOG OF THE CHIRIQUI

(Continued
from Page 19)



native, (they have a few divers there with face plates and fins) I set out across the bottom to cleaner water. The same kelp I had seen when surfing was growing here also. A few coral heads were about, they were similar to the green finger coral that grows in the Gulf of California. Strange fish darted in and out of the rocks, and once a large school of tuna passed fifty or sixty feet away, they weighed about thirty pounds. The natives kept swimming over me, occasionally diving down to point out an interesting fish or plant. The end of the day came as we canned the last of the collection into the five gallon tins. Ramsey told us that it looked like several new species were taken, and he was sure the University would be pleased with our efforts.

We dived several times, but the mythical cities and roads were never sighted. No large fish, other than the tuna, were seen, and while the water was clean and small fish abundant, a spearfisherman would soon be looking for more sporting waters.

Our horn gave three long blasts as the anchor was secured to the deck. Then the mainsail went aloft, followed by the balloon. The wind was off the land as we set our course for Pitcairn Island and we heard the last shout of farewell from the Easter Islanders. As I looked toward the beach, I wondered at these people who live so far from the world on their lonely Island, where they have only one ship each year call on them. The strange wooden carvings of their Kava-Kava ghost-god shall always remind me of that strange place.

Next month, diving with the descendants of the crew of the Bounty on Pitcairn Island. >

Q & A NSWER

COLUMN by TUSSEY

Answers to all of your diving questions will be answered in this column by D. R. Tussey, in the earliest possible issue.

Last August I ruptured blood vessels in my face from a fifty-foot dive. Can you give me any information regarding a "mask squeeze"?

"Mask squeeze" is usually a serious accident in diving and great care should be exercised to prevent its occurrence. In shallow water diving, a local squeeze of the face while raising a mask, may occur. The mechanism involved is essentially the same as that involved in the body or lung squeeze, when a full dress is being used. However, in this case, the pressure effects are limited to the face and they are usually caused by a reduction in the air supply when the diver inhales from the mask. The air that has been forced into the inner ear and sinusal passages from equalization causes hemorrhages across the

forehead, extrusion of the eyes, swelling and discoloration of the face, or even death from suffocation. This type of accident occurs rapidly even before the diver has time to remove his mask. Prevention of a squeeze is up to the tender when using full diving dress or in using a full face mask rig, the lack of a non-return valve; but in skin diving it is strictly the diver's fault. Failure to exhale into the mask at the first discomfort of equalized pressure on the back of the eyes or accidentally inhaling through the face mask causing a partial vacuum.

When a squeeze does happen, moderate or severe, the diver should be brought to the surface as quickly as deemed safe and given first aid treatment and further decompression if indicated. Artificial respiration may be necessary if breathing has ceased. Keep the patient warm in a horizontal position and give stimulants until a physician arrives. The doctor will advocate ice cold packs locally and a sedative to afford relief to the patient. In ten days there should be a marked improvement; however, the residual hemorrhage in the tissues will still be present. The patient should not enter the water again until absolute recovery and then only with the authorization of a medical doctor.

Would you recommend the use of surplus air compressors?

There are many surplus air compressors on the market today; although they were probably not designed for the filling of skin diving cylinders they do a very good job. To me the important factor is not the compressor as much as the filtering device that is employed. Many diving accidents have been known to happen without proper filtration of air.

How do you dive in water with zero visibility and find objects such as bodies and lost articles?

The most effective method of underwater recovery is the circle search. The divers use a heavy weight with twenty-five to fifty feet of line working out from the center and swimming in a circular fashion. This method is used mostly in lakes or oceans where current isn't too strong. But in rivers or where there is considerable current the diver can be dragged by a weighted line.

I sometimes have an irritating skin rash. Has this been caused in any way by diving?

Yes, very possibly. Contact dermatitis is a condition of the skin that is caused by physical, chemical or biological conditions. In the case of skin divers it would fall under the physical conditions, pressure or extreme cold. In any case, consult a skin specialist immediately.

I am a salvage diver and do a lot of underwater cutting and burning, but recently I was told acetylene wasn't safe. Is this true?

Yes, acetylene is explosive in the absence of air when used at pressures of over 12 p.s.i. or at a depth limit of twenty-four feet. Hydrogen can be substituted for acetylene; there is no depth limit, but hydrogen is not as efficient a fuel.

How can I hold my breath longer for free diving?

Skin divers use hyperventilation to prolong breath-holding; and within limits this is probably not too hazardous. There have been cases in which exertion during apnea following hyperventilation on oxygen has caused unconsciousness and death. Lung capacity can also be built up by track, swimming and other breathing exercises.

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... and career training
aboard the finest ships of
the world's mightiest



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April 1959



The best way to spend Christmas Day . . . under the ice of Christmas Lake. Several members of the Gopher State Skin Divers Club held an underwater/ice Christmas party on Dec. 25, 1958. Shown are Bill Remarke and Jerry Elstad as they were purging the air from their suits before submerging. The lake is near Minneapolis, Minn. R. T. Keagle Photo.



Chuck and Colonel started their logging business with \$2500 cash and a varied amount of equipment. They claim that there are plenty of logs in the Klamath area, plenty for all.

SUNKEN TREASURE BELOW

(Continued from page 17)

tion all during the 1870's, 1880's and 1890's, especially in the Klamath area.

In that day and age, there were no good roads. So the loggers skidded the logs down to the nearest body of water until they got about three or four million board feet together, then drove the whole bunch down to the nearest sawmill.

But, about five to 10 per cent of the logs never got there. For one reason or another, no one really knows why, that 5 to 10 per cent sank to the bottom and stayed there.

It's first-cut virgin timber, Kimberling and Clair point out, better than the second and third cut that's being taken now.

The drying time is just a little longer, but not enough to make an important difference, the divers say.

The men frankly welcome competition. They believe it will hasten acceptance of their logs by the mills and may raise the price when a good, acceptable standard for sunken logs can be established.

Also the boys might welcome an additional diver or two who would care to work with them. They can't promise riches "but it's a pretty fair living and in the long run, lots of fun," says Colonel.

Last summer, their activities proved to be the chief spectator sport of Klam-

ath Falls, a community which is short on many forms of public entertainment.

Every day crowds, would gather on the nearest bank and watch their activities, particularly after the local newspaper gave them a fine writeup.

In the off season Kimberling is still cutting hair in his South Gate barber shop. Incidentally, he points out their equipment going up there was rather extensive, a truck, a car, a jeep, two small boats and much camping equipment—plus \$2500 cash.

The \$2500 had virtually run out by the time their first logs were sold. This went for repairs, plain everyday living and eating expenses and so on, says Kimberling.

Kimberling who is an avid fisherman says he would like to try the spearfishing sport someday, but "I guess I broke into skin diving the wrong way, it just seems like work to me."

All in all, the two men point out, when the talk comes around to sunken treasure such as Spanish galleons, lost mines and so on, little of it has ever been retrieved—but there's no illusion about the logs being there.

"It may take longer," says Kimberling, "but it's a solid living and it's probably more profitable in the long run. Saves a lot of looking around—and the water's a lot calmer than the ocean."

ARCHIMEDES WITHOUT TEARS

By RICHARD W. IRVINE
Boston Sea Rovers

The nominal weight of a cubic foot of fresh water is 62.4 lb. and that of salt water 64.0 lb. The density of fresh water is, thus, 0.975 times that of salt water. Conversely, the density of salt water is 1.025 times that of fresh water. It is axiomatic that the degree of buoyancy, positive or negative, of a floating or a submerged object will depend on the relative densities of the object and the liquid. Assuming that an individual's proper-value weight belt for one liquid has been established then, armed with these facts, one may easily compute the necessary value change to be made for use in the other liquid.

The density of lead is so great (specific gravity = 11.34) that the outfitted diver's displacement undergoes no significant change by the adding or the removing of several lead weights.

An example, with work spaces for do-it-yourself physicists, follows:

EXAMPLE	YOU
Diver	160.0 lb_____
Exposure suit	8.25 lb_____
Mask	.5 lb_____
Knife	1.0 lb_____
Fins	3.5 lb_____
Lung	35.5 lb_____
Weight belt	20.0 lb_____
Total	228.75 lb_____

$$\times \begin{matrix} 0.975 = \\ 1.025 = \end{matrix}$$

Assuming that this total weight matched the diver's density to fresh water his density could, therefore, be matched to salt water if the total weight went to 234.45 lb (228.75×1.025), an increase of 5.70 lb. If this total weight matched the diver's density to salt water his density could be matched to fresh water if the total weight went to 223.0 lb (228.75×0.975), a decrease of 5.75 lb.

As noted above, total-weight changes are achieved without significant displacement changes by simply adding or removing lead weights.

SKIN DIVING

IN ROCKET SHIPS

(Reprinted from *SCIENCE*, January 23, 1959, Vol. 129, No. 3343, pages 218-220.)

A person in a tank of water is able to withstand relatively great accelerations without damage or malfunction (even more than in a pilot's "G suit"). This could possibly be expected from the report on weightlessness by H. J. Muller [*Science* 128, 772 (1958)].

Experiments demonstrating this were described to me by Carter Collins, about the time of the publication of my report "Some principles of self-contained underwater breathing apparatus" [*Science* 128, 1001 (1958)]. (Skin Diver, Feb., 1959). Collins noted that an air-pressure regulator which is wrongly positioned with respect to the body is dangerous in high-acceleration situations because the density of the material separating the lungs and the regulator is effectively increased proportional to the acceleration, and thus the lungs are not necessarily supplied with air at the pressure surrounding them. The weight-compensated regulator described in my report effectively puts the regulator within the lungs, and it retains this ability under the action of most commonly experienced acceleration forces, whether compensation is by a weight or by a float. In a centrifugal field, if the center of rotation is near the person, departures from exact compensation can exist. Under changes in gravity, compensation in all positions can remain perfect. Compensation with a spring does not give these effects.

In this connection, it is relevant to note that some early tests to determine the best location of a regulator (which indicated a location within the lungs) involved diving in a medium more dense than water and moving the regulator up or down to the most comfortable position relative to the body. An acceleration field effectively increases the density of the liquid and the compensating weight at the same rate, and so the required weight does not change as it would have to for diving in a different medium.

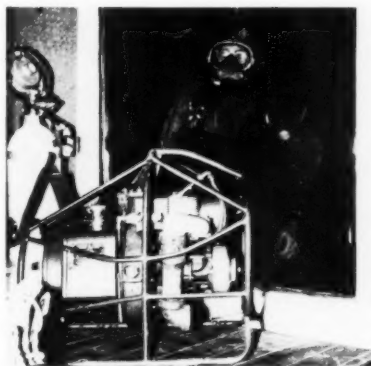
The concept of a "center of pressure" for the lungs, at which a regulator should effectively be positioned, probably loses much of its significance if a great pressure difference exists across the chest itself. (For example, one might expect difficulty in trying to breathe under mercury.)

R. STUART MACKAY
Radiological Research Laboratory,
University of California
Medical Center, San Francisco

SKIN DIVER—April 1959

ATLANTIC SKIN DIVING COUNCIL

By DON BYERS and VAN BUSKIRK



During his eight hour stay underwater for the diving demonstration, Rusty Sherrill found the scenery somewhat unvaried. Here Rusty takes a look at the crowd from behind a portable gasoline powered compressor.

Photo by Bill Kibler.



Members of the Atlantic Skin Diving Council hold a mute conversation through the glass of the diving tank. On the left is Mary Zellner, former underwater ballet artist and in the tank in Dan Dunfee.

D.C. HOME SHOW STARS DIVING DEMONSTRATION

The nation's capital opened its annual home and outdoors show January 20—with the able assistance of the Atlantic Skin Diving Council.

Billed as one of the star attractions of the popular show, the display set up by the Council centered around a 40,000 gallon glass-walled diving tank for continuous diving demonstrations. The recreation department of the naval research laboratory here has given the Council wonderful cooperation in securing the use of the tank. The navy uses the tank for its own diving displays locally.

The ASDC show arrayed various types of diving equipment beside the tank—all owned by council members and thus keeping the show virtually free of commercialism. Space for the show was given to the Council free with the understanding that nothing would be sold during the show. And, of course, the outdoors show had a solid crowd-puller in the diving exhibition.

Council members were on hand at all times—dressed in standard white cardigans—to answer questions from the thousands of interested spectators.

For the opening night show an underwater ballet was performed by Mary Zellner (vice president of the member Pioneers), but she found the tank a bit smaller than her accustomed underwater environment. Mary is an alumna of the underwater ballet troupe at Weekiwachee Springs, and her presence in the tank added a touch of welcome femininity to the sometimes clumsy manipulations of the male council divers.

For the rest of the show, continuous demonstrations of underwater techniques were staged by council members.

Rusty Sherrill, chairman of the council, stayed down a little over eight hours Saturday night (he's married) to demonstrate the hospitality of the underwater world. But a too-tight dry suit began to cut off circulation and a slightly numb Sherrill climbed back out for a good night's sleep.

Naturally, much hard work is required to put together an appealing and dynamic show but the public reception and solid publicity resulting from such a show are worth the effort.

The Council feels that this one show—done as a public service—has brought more favorable publicity in one week than a year's worth of talking about diving.

The Atlantic Skin Diving Council held at Halltown, West Virginia, in an 80 foot quarry on Sunday, January 25th, 1959, a training session in ice diving for advanced divers.

The proper and safe techniques were demonstrated by the council safety officer and his assistants. Every diver completed this part of the council training program. This ice dive training session was held by the Atlantic Skin Diving Council because the council is on call by all Police and rescue squads in Washington, D.C., southern Maryland and northern Virginia.

ILLINOIS COUNCIL of SKIN AND SCUBA DIVERS INC.

IC KEY NEWS

By CARL HAUBER
204 Pennsylvania Ave.
Urbana, Illinois



The big news in IC land was the valiant effort of the Illinois Council Underwater Recovery Team to locate the body of six year old Dennis Johnson, who was presumably drowned in a flash flood and ice-break on Sugar Creek, Normal, Illinois. An appeal by the Normal and Bloomington Law Enforcement Authorities came to Carl Hauber who contacted veteran diver Dan Wagner, Captain of the Team. Hauber, Wagner, and eight other divers immediately left for Normal, where they spent the night planning the dive. The morning of February 12, at 6:45 A.M. the divers began their task which was called off nearly eleven hours later with no sign of the boy's body. It is heart-breaking to see a community's hope revived when divers arrive and then have it all end in virtual defeat. Ten Bloomington firemen

were assigned to the Recovery Team to assist. Five miles of creek bed was searched by divers and firemen. One gravel quarry on the creek was thoroughly combed and another very large quarry was covered as well as possible.

The great ice flow was jammed up in the lower quarry. Al Halliwell and Carl Hauber set dynamite charges to break up the area well enough for divers to be able to enter it. Neither, however, is new at this task as the Recovery Team boasts many veteran divers.

Hope was renewed on February 15th, as the boy's hat was found in the lower quarry area, apparently dislodged by the divers' efforts. The team once again was called, and at this writing, is working hard to see that Dennis' parents may have some little relief from their anguish.

Jean Allen (left) has just been named "Miss Illini Diver of 1959" and is shown receiving her award from Zale Parry at the IC Annual Banquet. Miss Allen lives in Elmhurst, Illinois, and received her honor title from the Illinois Council.



Dan Wagner is stunned to find that he is the 1959 Illinois Council "Diver of the Year," above he looks at his trophies in disbelief. IC News reporter Carl Hauber received the "Council Member of the Year" award. Carl is also Corresponding Secretary for the Underwater Society of America.

The IC Annual Banquet was a most exciting one this year. We were honored by the attendance of such diving celebrities as Gustav Dalla Valle, Zale Parry, Emile Gagnan, Jim Dugan of the Inter-Council Unity Committee and of literary fame, Will Jacobs, President of the respected Connecticut Council, and many others.

The three big questions were answered. The Illinois Council Diver of the Year is Dan Wagner, Council Member of the Year is Carl Hauber, and "Miss Illini Diver of 1959" is Jean Allen of Elmhurst, Illinois.

Capt. J.-Y. Cousteau was detained in Monaco and could not attend the banquet. He was, however, substituted for by a very exciting speaker. Jim Dugan, hearing of our problem, dropped everything and flew to Chicago. He brought movies with him and presented a wonderful program. Dugan also spoke of the National Convention and its importance, emphasizing the value of the Unity Resolution. By the time this is in print, the Convention will be history.

Zale Parry presented the "Miss Illini Diver of the Year" award and devoted time to explaining the reasons for some of the rather impractical diving scenes that, at times, appear on the "Sea Hunt" programs. She defended the program as an attempt to interest the general public, and not just divers alone. This is a point well taken.

The "Divers' Delegate" went into print and prepared an interesting issue this month. It was well received in professionally printed form. It is hoped that donations will allow the IC to continue this effort and not have to go back to mimeographing. A plan to print ads is being considered by the Board of Directors. This may be the answer to the money problem. In any event, divers from all over the Midwest have expressed their desire to see it continue. It is a free publication. Those wishing to receive copies of each printing need only to send their names and addresses to Carl H. Hauber, 204 West Pennsylvania Avenue, Urbana, Illinois.

Depth Chargers—Reporter Jim Paglin— We have at the present time openings for about five skin divers in the Depth Chargers, male or female. We have an 18 foot cabin cruiser and a couple of big life rafts. We have been giving lessons in skin diving and lung diving and we also have been giving lectures and showing movies that were taken last summer while diving. Anyone interested in joining write—to Jim Paglin, 4232 N. Octavia Ave., Norridge 34, Illinois.



P.O. Box 165, Flushing 1, New York



By GENE PARKER

This month's news consists of a wonderful letter from the Buffalo Aqua Club, Inc. (Wonderful, because they are announcing an event well in advance.)

The Buffalo Aqua Club, Buffalo, New York, is making ready plans for its second Annual Treasure Hunt. Last year all the trophies went to local divers because, except for one club from Canada, the contestants were from this area alone. This year we will again hold two meetings. One for skin diving, one for scuba. The buddy system will be used so we will give two trophies for each place, in each event. Trophies will be for 1st, 2nd, and 3rd place. In addition, to encourage club participation, we will give a club trophy to the club traveling the far-

thest distance, and another trophy to the club sending the most members. For winning the farthest traveling club trophy, a club must enter at least four divers.

As we did last year, we will have a free drawing between the two meets. So, each diver entering the meet will get a chance to win some diving equipment.

Entrance fee will be \$2.50 per diver. (Not per team.) The meet will be held on Sunday, June 21, and we urge all clubs interested to send us a post card so we can send back to them all pertinent information.

Plan to make this a family-holiday weekend. Drive out on a Friday, spend Saturday seeing famous Niagara Falls, and Sunday

filled with competitive fun. Remember, only with everyone's help can we make this a Sunday of successful fun for the divers. Plan to attend and plan to win yourself a trophy.

That's it, fellow hose nose characters. Remember June 21st!

All-American Skin Diving Organization—Woodside, N.Y.—Reporter Alan Iscoe—Our club has been active throughout the winter with no month going by without several outings taking place. Karl Avenarius, Herb Cutting, Nick DiGiulio, "Scotty" MacNevin, Harry Kollmer, "Sonny" Maher, and Alan Iscoe were members who got under the ice at least twice. Kollmer and Iscoe managed to take pictures beneath the ice.

Thanks to the efforts of Rudy Sup we now have a permanent meeting place. Meetings will be held Wed. 8 p.m. at the Long Island City Athletic Club, 31-74 43rd Street (off Bway.), Astoria, Long Island.

Bob Maeurer, living in College Point, was on the scene of the plane wreck that claimed 65 lives at La Guardia Field, but they wouldn't let him or any other diver who offered assistance dive for bodies or plane parts. Using their own methods it took them weeks to clean everything up. Someday, someday.

The King's Divers—Buffalo, N.Y.—Reporter Winthrop H. Ware—This is a new club reporting in! We organized this last month and are looking forward to a good future in the underwater world. We have several advantages to begin with. We have an inside heated Olympic sized swimming pool and all the other facilities of Youthtime Evangelistic Fellowship at our disposal. We have our own cooperative store where divers can finance and purchase their equipment. We are anxious to install a compressor so we can supply our club and sell air.

(Continued on page 40)

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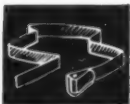
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EMPIRE STATE . . . (Continued)

As we are a part of the Youthtime program, we run our club as a Christian organization. We welcome all who would like to join with us in the fellowship of a favorite sport and belief. Visitors are welcome.

At the present time we have written other clubs to obtain the finest of training programs. Several of our members are experienced, but we hope to train a number who are beginners.

Long Island Dolphins—Flushing, N.Y.—Reporter, Dan O'Sullivan—The LIDs flipped with the beginning of the new year and came up with a new meeting place and some new talent on the Officer's roster. The famous old Turn Hall in Astoria, Long Island will resound to the call to order of re-elected Prexy Graham Snedicker on the second Wednesday of each month for the next few months, until Housing Committee Chairman Morris Forkosch unearths a location that provides attractions outweighing the Turn Hall's free stimulants and sandwiches. Take your time Morris!

Despite the usual modest declinations and lethargic reluctances to serve, the Club was able to give President Snedicker an energetic staff in the persons of Bob Roth, Sandy Speiser, Pete Frassa, and Bob Coudert. Howie Muller, Bob Scallion, Roy Keiser, George Knobloch, Don Ferrin, and Hal Reiff, will comprise the Board of Directors. Chester Dobrowski, at his own request, was retired on his laurels as a hard working and solvent Treasurer; however June Keiser whose services to the Club have far exceeded her official duties was drafted as Corresponding Secretary by a vote of acclamation and to our good fortune accepted the mandate.

The Club, continuing its efforts in the best interests of Conservation, sent Bob Roth, Roy Keiser, and Don Kaemmer to a conference of the Long Island League of Saltwater Sportsmen who are pressing for passage of a bill that would include spearfishermen among the outlaws in the taking of Striped Bass from New York waters. There is still a wide difference of opinion between the hook and liners and the spear sportsmen on the form of this legislation, but the high compliments paid the Dolphins' ethics and standards in the recent New York press by League Executive Don Manns, are significant of the good will engendered by our representatives.

West Side Squids—Astoria, L.I., N.Y.—Reporter Evelyn Zangara—We use the pool at the YMCA at 63rd Street. We have been incorporated since November 1957. We have trained instructors in our club who are able to give "skin and scuba diving courses" to new members entering our club.

We have the usual outings as every other club—with a charter boat several times a season to take "special" divers out on wreck dives. A particular wreck we visited was the ship "Iberia" sunk off Long Island in the year 1888. The Steamship "Iberia" of French registry, collided with the British Steamship "Umbria". The Captain and crew were taken off by the Umbria, which then headed into port for repairs. The "Iberia" sank two nights later. This information was supplied to us by the National Archives and Records Service, Washington, D. C.

Several of our club members are underwater photographers. The above dive was done in 60 to 70 feet of water.

We have several tanks, regulators, fins, masks, guns, etc. that our club members are allowed to use for short periods of time and rent for longer periods of time.

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Underwater Bookshelf

A Guide To Underwater Photography

by Dimitri Rebikoff and Paul Cherney

This is a guide for skin divers who want to photograph their activities and the sights under the sea. Complete information on equipment and techniques of submarine photography and movie making.

BOOK #1.....\$1.95

American Seashells

by R. Tucker Abbott

This beautiful big book, 541 pages plus 80 pages of color and black plates, paintings and drawings, covers definitive identifications of some 1500 varieties on Atlantic, Pacific and Gulf Coast shores.

BOOK #2.....\$12.50

A Manual for Free Divers Using Compressed Air

by D. M. Owen

Underwater divers find this practical and realistic book complete on the mechanics and hazards of diving with self contained underwater breathing apparatus. Includes full discussion of the physiological aspects of diving.

BOOK #5.....\$2.00

The Master Diver and Underwater Sportsman

by Capt. T. A. Hampton

Authored by Chief Instructor of the British Underwater Centre. Explains stages of training in underwater swimming, diving, scuba, and helmet diving. Explains cutting, welding, blasting and seamanship.

BOOK #6.....\$5.00

Treasure Diving Holidays

by Jane and Barney Crile

A family story of exploring beneath the sea. Jane and Barney with their four children fish and hunt in Caribbean, Mediterranean and California waters.

BOOK #8.....\$3.95

Underwater Photography Simplified

Enlarged and Revised Edition

by Jerry Greenberg

Filled with facts about underwater photography in lay language by an ace cameraman. Your problems solved by his many years of experience. Many photos with film, aperture, speed information.

BOOK #32.....\$2.00

Shallow Water Diving and Spearfishing

by Hilbert Schenck and Henry Kendall

Chapters cover diving science, helmet diving, mask diving, recirculating and throw-away diving equipment, spearfishing, commercial shallow water diving and the ocean inhabitants.

BOOK #29.....\$4.00

SKIN DIVER—April 1959

Between Pacific Tides

by Edward F. Ricketts and Jack Calvin

Detailed pages of habits and habitats of animals living in the most prolific life zones of the world, the rocky shores and tide pools of the Pacific Coast. 502 pages.

BOOK #14.....\$6.95

Underwater Photography and Television

by E. R. Cross

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BOOK #39.....\$6.00

Skin Diving Hawaii

by Gordon Freund

This is the most comprehensive guide available today on diving in the Hawaiian Islands. It contains 33 photographs as well as numerous illustrations of Hawaii's exotic game fish; telling where they are found and the best technique used in spearing or photographing them. Maps show the location of favored diving areas. Air stations, retail outlets, and professional guides are also listed.

BOOK #36.....\$1.25

Marine Life of the Pacific Tidal Regions

by Dan Ryan

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BOOK #18.....\$3.95

The Naked Warriors

by Cmdr. F. D. Fane

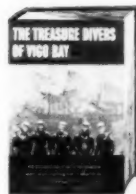
The U.S. Navy Frogman in action throughout WW II and Korea. Underwater action from Normandy through the Pacific and climaxing in Korea. Underwater reconnaissance in the ice locked Arctic.

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Treasure Divers of Vigo Bay

by John S. Potter, Jr.

In a tremendous sea battle in 1702 a Spanish armada carrying millions of dollars' worth of gold and silver was sent to the bottom of Vigo Bay, Spain. Two hundred and fifty years later Potter decided to use the most modern means of treasure hunting to recover that sunken



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Holidays Under the Sea

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The Underwater World

by John Tassos

One of the country's well known free-lance writers who became a successful New York advertising executive has assembled a real "bible" for divers. An all-embracing book—a reminder for professionals, instruction for beginners. Tassos captures the reader in one of the most easily read and understood books in publication.

BOOK #33.....\$4.95

Dangerous Marine Animals

by Bruce W. Halstead

A handbook for skin divers, shell collectors, physicians, explorers, biologists and others. A worldwide guide to poisonous and venomous marine animals and on the general subject of underwater biological hazards. Describes marine organisms, their noxious effects, treatment and how to avoid them. Compiled after 12 years of research. Excellent information source for underwater swimmers and others in contact with the sea bottom. Pictures, drawings, maps.

BOOK #37.....\$4.00

Guide to American Waters

by Hilbert Schenck

For skin divers and spearfishermen planning vacations away from home. Maps of all popular diving areas with shells, fish, temperatures and approximate visibility to be expected in each region. Many fresh water areas also.

BOOK #31.....\$1.75

Atlas of Treasure Maps

by F. L. Coffman

Today in our world there is 275 million dollars in lost, buried and sunken treasure whose existence has been authenticated. This atlas contains 44 four-color maps showing 3,047 treasure locations. A wonderfully practical book for those who realize that treasure hunting is becoming big business, and a skin diver is going to find the treasures first.

BOOK #34.....\$10.00

Underwater Photography

by Hilbert Schenck and Henry Kendall

Enlarged Second Edition. Details on techniques of underwater photography, box construction, strobe, lighting, waterproofing, exposure, filters, etc.

BOOK #28.....\$3.50

The Compleat Goggler

by Guy Gilpatrick

The first and perhaps the most entertaining book ever written on undersea adventure. A story compiled when the complete equipment consisted of goggles, knife and a hand spear. A "must" to add to your underwater literature.

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Marine Tropicals

by Ed L. Fisher

The first comprehensive handbook explaining a new successful method for maintaining marine fish and animals. Illustrated. Collecting living creatures and plants from the sea is fun, if you know how and if you can preserve them in natural salt water.

BOOK #30.....\$1.50

1001 Lost, Buried or Sunken Treasures

by F. L. Coffman

A fascinating book of facts about treasure that will excite the armchair treasure-hunter and be of great use to the practical treasure hunter who is buying electronic equipment. Partial list of chapters include: Wrecks in the Caribbean, Great Lakes, Wrecks, Bayou Treasure, and most important, Treasure Trove Law and Its Application.

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ANDREA DORIA . . .

(Continued from page 15)

Bridgeport, Conn., the diver who opened the safe in the sunken transport "President Coolidge" in the South Pacific in 1943. The combination will be tried after the marine growth has been chipped away, and if this means proves unsuccessful it will be blown or burned open. From the safe the divers will proceed to the safe deposit boxes which will be cut out in sections and opened topside to save time.

Upon getting the safe door ajar heavy block and tackle will be employed to open the door far enough to permit the removal of the contents. This is necessary because of the fact that the ship is on its starboard side and the door opens toward the port.

In the meantime the scuba men will be busy running tools, taking pictures, and doing the always necessary survey work. Another important task to be handled by the lung men will be the inspection of the cables carrying the newly developed shark cage used to carry the divers to and from the wreck. This cage may well save the life of an exhausted diver, decompressing for long periods of time close to the shark's natural hunting ground near the surface.

The site of the underwater work will be approximately 180 feet below the surface, thereby limiting a diver's time on the bottom to about thirty minutes. Since the hull lies on its side with a slight upward pitch toward the bow, part of this precious time will be consumed on each dive in reaching the room some thirty-five feet from the point of entry. Movement is slow in the cumbersome diving suits and the underwater workmen will be wearing the full two hundred pounds of gear, plus the tools and equipment necessary to do the job.

It is estimated that the entire operation will take from eight to ten weeks and will cost between seventy and eighty thousand dollars. A lot of money? Perhaps, but modern salvage observers may see one of the richest submarine payoffs in history this year, and win or lose the lucky divers are in for an incomparable experience.

A word of caution to any skin diver who may at this reading aspire to "have a look" at the men at work on the wreck. This is very treacherous shark water and from Messrs. Parks and Gimble's account of their last photographic dive for "Life" magazine these sharks are easily provoked, so with little to gain, except possible tragedy, let discretion be the better part of valor.

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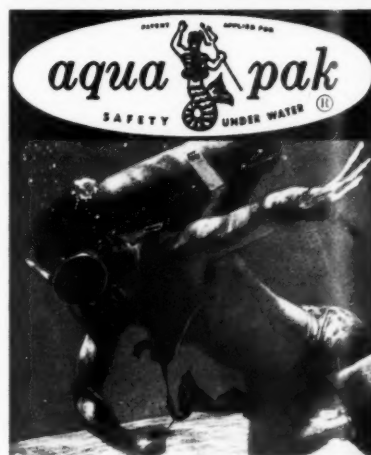
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SKIN DIVER—April 1959

GRAND CAYMAN . . .

(Continued from page 23)

anyone who shows the slightest interest in the island and its customs. Many Caymanians believe in "duppies," or headless ghosts, and, instead of "shaggy dog stories," the Roulstones rattled off dozens of hilarious "duppy" stories that night.

There are three main hotels on the island—the Pageant Beach, the Sea View, and the Galleon Beach. Two smaller hotels are the Windsor House and the Bay View. All hotels are on the American plan, and the food is very good. In the summer, rates vary from \$6 to \$12 per person per day. In the winter (December 16 to April 15), rates vary from \$8 to \$25 per person per day.

There are two movie theaters in George Town, largest settlement on Grand Cayman. Caymanians are wild

about movies—every night at dusk, you can see hundreds of natives, some on bikes and some walking, heading for the movies. One of the theaters is an outdoor affair. If you pay for the best seats in the house, you have to climb a rickety ladder to a high wooden platform. Sometimes it rains, and there's a mad scramble for shelter. The big spender who has paid for the best seats has a difficult time getting down from his perch and gets drenched!

Some prices on the island are unbelievably low. For example, you can get a good haircut for three shillings, or 42 cents. You can hire a competent Caymanian baby sitter for \$1 a day.

While you are at Grand Cayman, you may want to make a side trip to Cayman Brac, an even less civilized island 75 miles away. It's also a fine skin diving and fishing area. Cayman Brac Airways flies from Grand Cayman to

Cayman Brac every Monday and Friday. Fare is \$31.50 round trip.

Things to bring for a vacation at Grand Cayman include plenty of film, a pair of zori sandals, a big bottle of Coppertone (the sun's strong here), and comfortable, cool, casual clothes. There's never any need to dress up, unless you plan to attend one of the island's churches.

Grand Cayman is just two hours from Miami via LACSA Airlines. Planes depart for Grand Cayman every Monday and Friday at 7:10 a.m. Fare is \$89.70 round trip. See you in Grand Cayman!

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Michigan . . .

Blue Fin Divers Club—Lincoln Park, Mich.—Reporter George Bresko—The Bluefins held an under-the-ice dive on February 22 at Monroe Quarry. The ice was 18 inches thick, visibility was two feet, air temperature was 45° and the water was 34°. A great day under ideal conditions. A hole, 6x4 feet, was chopped in the ice as an entry port for the divers.

Rhode Island . . .

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Indiana . . .

Indianapolis Aqua Divers—Indianapolis, Ind.—Reporter Rachel Bauer—The Divers held their first meeting of the year in January when we elected new officers for 1959. Also we increased the number of our safety team by three making a total of thirteen. We feel that these members are well qualified to instruct and to handle any case of emergency. We would like to have more club dives with neighboring clubs in and around Indiana and more correspondence with them. 4701 North Guilford, Indianapolis, Ind.

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Louisiana . . .

Bajaos Skin Diving Club—New Orleans, La.—Reporter Burnie Dodge—We have been very active this past winter, even if our boat, the "Jo-Ka", did sink in October. We have had to rent a boat to do any diving and have been very lucky in finding a 65 ft. shrimp lugger, which will take us anywhere we wish. The largest fish shot have been jewfish, a 120 pounder, shot by Jay Albanese and a 195 pounder shot by Albanese, Bouton and Wust; finally landed by Wust with an Hawaiian sling.

Our social activities have really been shining, with the trophy awards banquet in December, a special screening of "Silent Enemy" in February and the Officers installation banquet coming up in April.

Our trophy award winners for 1958 were Jay Albanese, Dan Nelson, Warren Williams, Otis Gilmore, Frank Gray and Fred Wust. A special plaque for "Diver of the Year" was awarded to Jay Albanese and a gift was presented to Burnie Dodge in appreciation of his work as secretary of the club.

The Dixie Divers of New Orleans and ourselves have formed "The New Orleans Scuba Diving Contest", a spearfishing contest between the two clubs, which is now under way. Both clubs are looking forward to great things in the future for this contest. If things work out right, we want other clubs in this area to participate with us.

We have a big diving season coming up and all of us are anxiously looking forward to it. If anyone wishes information about diving in this area, contact me at 740 E. Wm. David Blvd., Metairie, La.

Dixie Divers Club, Metairie, La.—Reporter Marcie Alba—January sees the Dixie Divers with their '59 officers ready to go. Roland Riviere, Jr. was re-elected President, Roger Callias vice-pres., Pat Lambert secretary and Old Faithful John Stauss is again our treasurer.

Immediate plans are for the Annual Club Banquet and trophy presentations. Future thoughts include the possibility of an interstate competition and the AAU elimination contest. By next month our final fish winners will have their trophies and be thinking of the coming season and more fishing.

Canada . . .

Halifax Free Divers Club—Halifax, Nova Scotia—Reporter Don Chiasson—Plans for our under the ice dive are complete. It will take place soon in Purcell's Cove. Our most urgent requirement is a cold, clear weekend. If all goes according to plan, it should be a very enjoyable day. At our last meeting, plans were formulated to start a Maritime Provinces council of diving clubs. We will try to unite all skin divers in the Maritimes to encourage safe diving, publish a regular newsletter, promote the Divers Flag and encourage fair legislation.

Here in Nova Scotia, if a skin diver is caught taking a lobster at any time of the year, his gear will be confiscated and he may be fined up to five hundred dollars. All the members of the club feel this law is unfair. After all, it is a lot to pay for a lobster dinner. The dues for joining the council will be reasonable, only a dollar or two a year. So that the council will have considerable influence, we wish to have every diving club or individual diver join. Would anyone interested in joining please write to me at 38 Ralph Devlin Dr., Halifax, Nova Scotia, Canada.

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Texas . . .

Dallas Divers — Dallas, Texas — Reporter Rosemary Merriell—We meet the second Thursday of each month for the regular business meeting with several other meets during the month. The February meeting was extremely interesting in that it was held at the "Dallas Aquarium." We would at this time like to extend an open invitation to all other clubs to attend any of our meetings, business or social.

The next dive we plan to attend is at Possum Kingdom Lake, sponsored by "Inland Divers." A spearfishing contest is planned complete with prizes. The coming of warm weather promises many dives and much fun.

Royal Order of Vagabonds—Ft. Hood, Texas—Reporter Don Yanda—The February meeting was a lecture and demonstration of scuba equipment, the club obtained six new members. We have discovered a skin diver's paradise . . . 150 to 200 acres, underwater visibility three feet, depth 0 to 100 feet, bottom is sand and moss, and the area also includes camping facilities. It is located within 25 miles of Ft. Hood, so if you are down this way, stop in.

We want to thank the Texas clubs that have written to us during the past months. Also we have received a letter from the Blue Fin Club, located at Eniwetok. The club would appreciate hearing from any other Army, Navy, Marine and Coast Guard clubs. SFC D. J. Yanda, P. O. Box 441, Copperas Cove, Texas.

Amarillo Skin Divers Association—Amarillo, Texas—Reporter Bob Hollingsworth—We travel many miles to dive in clear lakes. One of these is Phillips Lake near Borger, Texas. Visibility is about 15 feet at 60 feet deep and 30 to 40 feet near the surface. On our last trip we found visibility no problem since part of the lake had been frozen over and the bottom was undisturbed. The ice was about one-half inch thick and we had no trouble in breaking through anywhere. We tested our equipment and clothing in the water which was 38° on the surface. Making the trip were Carlos Moore, Don Beer, Gene Rutland, Harry Towne and Bob Hollingsworth. While we were at the lake the Borger Skin Divers joined us and both clubs enjoyed a day of clear water. ➤

Massachusetts . . .

Middlesex Divers—Malden, Mass.—Reporter Richard D. Doody—Our club was formed in June of 1958 with the purpose of promoting safe and sane diving. Membership is open to anyone seventeen years and up. In July we became members of the Northeast Council of Skin Diving Clubs and had the honor of supplying the menu for the National Convention held in Boston. We have 22 members active and have purchased a trailer to take with us on weekend diving trips to northern New England. Anyone wishing to contact us may write: Middlesex Divers, Malden YMCA, Malden 48, Mass. ➤

Nevada . . .

Vegas Divers—Las Vegas, Nev.—Reporter Mike Hernandez—We are a new club but already claim many scubaneers. Our diving is done in Lake Mead, the largest unnatural lake in the world. Salvage, diving for boats, engines and fishing gear takes most of our diving time. We are not all experienced divers, but thanks to the stringent training given us by Harry Wham we are well on our way. Big highlight of the near future is an expedition to Catalina Island. ➤

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SOUTHEAST COUNCIL OF SKIN DIVING CLUBS

by Bud Cox

P. O. Box 42543
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The election meeting of the SEC gave the current officers another fiscal year on their respective jobs, which are: Pappy Flood, president; Jack Slack, veep; Bud Cox, secretary and Bissell Shaver, treasurer. After formally accepting the Palm Beach Fin Divers to membership and receiving a short report from the safety committee the meeting turned to planning the tournaments for the coming spring. Don McGee was appointed chairman of the trophy committee which has the important job of raising funds for these contests.

Writer-photographer Eugene Shinn has been scoring in some national magazines, including the February 14 issue of Saturday Evening Post. Gene was high scoring individual and member of the second place Miami Skin Divers at the 1958 AAU nationals, which proves that spearfishermen are capable of other accomplishments.

Spear and Fin Club—Ft. Lauderdale, Fla.—Reporter Ken Ehrenreich—Diving on the Gold Coast has not been good recently due to rough weather. Water has been murky weekends over the past six weeks. Despite conditions several grouper and snapper have been taken. Several members are taking a scuba instructor course being held by the Broward County Red Cross and Aquatic Council. The next meeting of the club will be swap night and members are going to bring any diving gear that they want to trade. Chuck Larid acquired a 16mm Bolex movie camera and underwater housing. We hope to have some films in the future. Water temperature has been 65 to 67 degrees and the air has been 75 to 80 degrees.

The Homestead Air Force Base Gators will kick off the season with a base contest on April 4 and George Brazee brings this report, written by Stephan Reynolds. The base's first meet will be held through the cooperation of the Recreation Services Office to determine the team to represent this base in other competitions. Boats and divers will go to Pacific Light Reef where the diving area will be selected. Basic AAU rules will be followed with a few exceptions during the contest that runs from 9 a.m. through 1 p.m. A point system will be used and the boat captains will not be allowed to fish during the meet and the Divers Flag will be flown from all boats. Excess fish will be given to charity.

Our roving reporter, Pappy Flood, brought the following report from the Palm Beach Fin Divers who held a club dive on January 4 at Ocean Reef off Pompano Beach. Four boats overcame ocean swells to get out through Hillsboro Inlet. Jim Harding and boat tried the shore side of the reef and sheared a pin. Harold Gordon stood by while repairs were made. After anchoring off Pompano Beach the divers saw a school of five sharks. nobody could decide who should dive first so Ruth Cook went over . . . beauty before age. Ruth was the only girl along on the trip. First fish of the trip was taken by Harding. Members fished, collected coral, took pictures and explored the reef with scuba.

SKIN DIVER—April 1959

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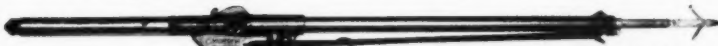
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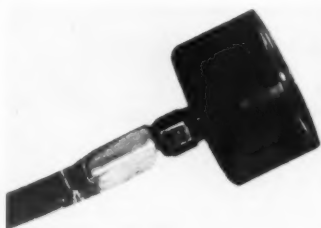
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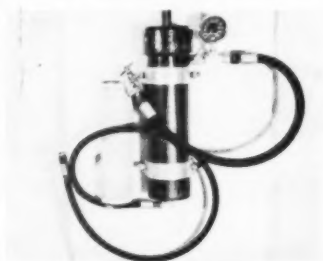
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Sharks Underwater Adventurers—Torrance, Calif.—Reporter Kathy Conley—The "Sharks" have been having a limited number of activities. We were all treated to a Christmas party and barbecue at the home of our president Larry Herrington. We are now working on more club functions with plans for boat trips, family outings, lobster dinners and the club competitions. We now have a limited number of openings for new memberships. We would also like to hear from other clubs interested in club meets and trips with us. Please contact Kathy Conley, 4713 Bindewald, Torrance, California.

Poseldon Diving Club—Beverly Hills, Calif.—Reporter Burt Alexander — Thanks to "Driftwood" for putting our article in the December issue. There was a terrific response for the club. Our club name, for those interested, is Poseidon . . . which is Greek for God of the Sea.

We have regularly scheduled diving trips all year 'round, so if there are any more interested divers, they may write me at 1941 Coldwater Canyon, Beverly Hills, California and we will send all information about the club.

Newport Whalers—Newport Beach, Calif.—Reporter Jim McLain—On February 3 the Newport Whalers held their first annual awards dinner in Costa Mesa, Calif. Two members, Joe Armfield and Jim McLain, were tied for first place in a recent lobster contest. A coin was tossed and Jim McLain won the toss. Merchandise trophies were donated by the club's sponsor, Lyle Hoskin and Son Water Sports, Newport Beach.

In the past months the club has made diving trips up and down the coast and to Catalina and San Clemente islands.

Our club, in conjunction with the Newport Submariners, has been circulating handbills on the Divers Flag. The idea being to get the Flag well known before we start using it, so boaters will not come over to investigate when they see the Flag flying from a float.

Anyone interested in our club contact Marlene McLain, Secretary, at Kimberly 7-4966.

California Tritons—Gardena, Calif.—Reporter Irv Steinman—The club was organized January 1959. We have a club roster of 10 members, all experienced free and scuba divers. We hold one business and one social meeting on alternate Wednesday evenings each month. We also have at least two official club outings each month. The "Tritons" is an active club and we have hopes of entering into the coming A.A.U. competitions. Plans are also being made to hold diving meets with other clubs in the area. When the weather permits events are scheduled which the members' families can attend. Membership is open to both male or female, age limit 21 years and over, and some div-

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ing experience required. For information contact: Irv Steinman. FR 3-1173.

Kelpotomaniacs — Los Angeles, Calif.—Reporter Sylvester Seaweed—Two of our members have been living in a diver's paradise the last few months. The boys lived on Anacapa Island and they explored and dived at Santa Cruz, Santa Rosa, and San Miguel Islands. Their stories of killer whales, giant lobsters (with legs as big around as silver dollars) sea lions, sea elephants, and heavy seas in a 12' boat stir the imagination.

I would like to thank the Lockheed Skin Divers for inviting many of our members on their swell trips to the islands. We appreciate being able to dive with such a great bunch of guys.

1958 will possibly be the best spearfishing year remembered by the Kelpotomaniacs. White sea bass, barracuda, black sea bass, yellowtail and bonito were speared by many of the members. There was an abundance of these game fish last year over any year in our history.

Our congratulations to Sgt. Harry Keever (also of the L.A. Neptunes) in establishing the Los Angeles Police Dept. Underwater Search & Rescue Team. Having fallen arches myself, I am a member of the team and I know the boys are using a good job under the most hazardous conditions.

We Maniacs dive every weekend at Malibu. We meet at the Coral Inn or the Skin & Scuba store between 8:00 & 9:00 a.m.—anyone interested? Our club has a closed membership of 15 members. We now have a few openings. If you like competitive diving, and live and breathe spearfishing this is the club for you. Our new address is P.O. Box 3441, Van Nuys, Calif.

Neptune's Raiders — Lakewood, California—Reporter Alice Jackson—Neptune's Raiders of Southern California has made a big effort to get in touch with diving clubs of California but with not too much success.

There was a recent emergency with regard to future diving in California when it was necessary to contact all diving clubs. We were unable to reach the majority of the clubs because no one person has an up-to-date list of club names and addresses.

Therefore, if anyone interested in club names, members and addresses will write us and give the correct club name, address and telephone number, we will compile a complete list. It will be an up-to-date list and will be available at all times to all clubs wanting to contact any other club or individual through us.

We would also make a copy available to the California Council of Diving Clubs and Skin Diver Magazine. Write to 4519 Dunrobin Ave., Lakewood 8, Calif.

Utah . . .

Salt Lake Skin Diving Club—Reporter Dave Winburn—Big push by President Fred Digert brought all club members up to date on their qualifications and diving knowledge test. Club celebrated with fish fry at Norm Paulsen's home with the Fred Digerts and Vern Gorzitzes doing the cooking. Vern should patent his grouper "dipping and frying" batter. At Thanksgiving holiday Jim Barnes loaded Jerry Hansen into his Volkswagen and raced Gus Bueter in Cadillac with co-drivers Ken McQueen, Jack Peck and Gordy Hansen to Guaymas. Red tide was in but the grouper and rockfish were very edible. Made grown men cry to have to let all the lobsters go free.

Club now has completed large, trailer-mounted compressor; university certified clean air. With good air available we are entering crash program to qualify a divers' safety and rescue squad under Red Cross lifesaving course given by Vern Gorzitze.

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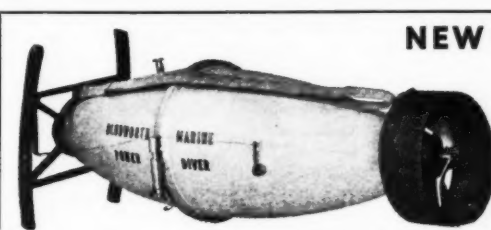


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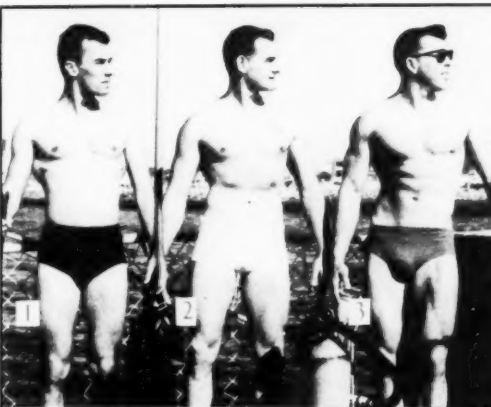
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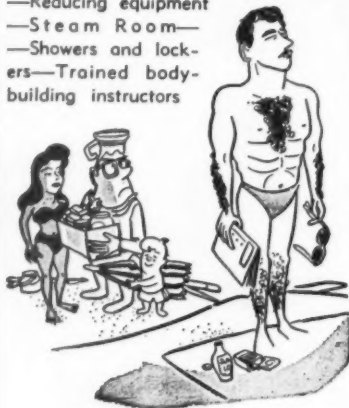
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CONNECTICUT COUNCIL OF DIVING CLUBS

By JACK HRICKO

On Sunday, January 11 members of four Connecticut diving clubs braved howling winds, eighteen degree cold and fourteen inches of ice to conduct Connecticut's first combined simulated ice search for a drowning victim.

A crowd estimated by State Police to be between 450-500 had gathered on the shores of Mount Tom State Park and shivered as they waited for the divers to arrive from the American Legion Hall in Bantam which had been offered as a meeting and dressing center for the divers. State Police from the nearby Litchfield barracks had been contacted and were kept busy keeping traffic moving and spectators off the ice as they anxiously waited for the divers. Then, at 2:15, the big yellow school bus appeared at the lake and all heads turned to see the five divers dressed in black wet suits emerge and approach the two square holes which had been cut into the ice. Standing by onshore were a fire truck and men from the Bantam Fire De-



Don O'Meara and Jack Hricko explain underwater conditions to spectators on the surface.

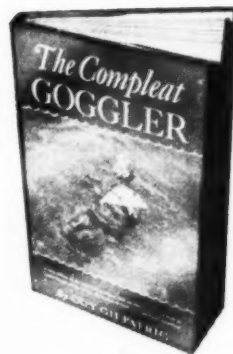
partment as well as members of the Litchfield Chapter American Red Cross which supplied hot coffee to both divers and spectators. Reporters and photographers from three radio and TV stations as well as several newspapers were on hand to record the event.

After a short briefing session on the bus, the divers, members of the Connecticut Sea Lancers, Connecticut Underwater Diving Association, Associated Skin Divers as well as the Norwescon Divers of Torrington, the sponsoring organization, approached the holes and set up an under-ice search plan.

Frank Fabbri and Frank Giordano, both of Norwescon, went down first and carried a rope beneath the ice between the two holes, about fifty feet apart. The other divers then followed this rope and were able to set up a systematic search pattern from this and cover every square foot of bottom within range. The second pair to go down again



Here is the first book ever written about "Goggle Fishing," now known as Skin Diving, the classic in the field. Mr. Gilpatric tells exactly how it is done and gives full details, drawings and photographs of the spears and goggles. A new section by James Dugan brings it up at date on the latest equipment.



Illustrated with dozens of unique photographs, it is not only a complete treatise on the current sport craze, but an intensely interesting and amusing book besides. Even if you can't swim a stroke, even if you live in the middle of a desert and hate water like a cat—dive into *The Compleat Goggler* and you'll come up with a thrill and a laugh!



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Roc Bartone and Frank Fabbri get their safety lines ready for another trip under the ice of Mount Tom State Park, Connecticut.

included Frank Fabbri, and Roc Bartone of Hartford's Connecticut Sea Devils. Each diver was required to have a rope connected between himself and the surface. This is the diver's lifeline and his only connection with the surface. Norwescon's Don O'Meara and Jack Hricko went down last. They descended to the bottom, about twenty-five feet down, and found several articles—an old shoe and a mask from the previous summer! Visibility was a yellowish ten feet and the water was a cold 34°, but the 3/16" foam neoprene used in the wet type suits allowed the divers to remain under for upwards of half an hour with no great discomfort.

This was the first program of this type in Connecticut utilizing the combined forces of several diving clubs as well as the State Police, the Red Cross, Volunteer fire departments and the press. Norwescon believes that because of this program, better relationships between these organizations were achieved as well as the feeling of working together and knowing that any emergency which might arise will be successfully overcome through these combined forces.

Ohio . . .

Lorain Skin Divers Association—Lorain, Ohio—Reporter Dan Meyers—All of our members are subscribers of SDM, it is a must when joining the club. We are located on Lake Erie thirty miles west of Cleveland, Ohio, and are presently incorporating the club. The club is in affiliation with the local YMCA where we meet each Monday for pool activities and training. The entire club is taking the Lifesaving Course. We get together every Sunday for diving in Lake Erie if weather permits, or inland lakes and quarries if not. Some of the members are perfecting their spearfishing abilities and are looking forward to the coming summer. 1234 Cedar Drive, Lorain, Ohio.

Pacific Area . . .

Bluefins—Eniwetok Atoll, Marshall Islands—Reporter J. G. Reed—Our club was reorganized in December of 1957 and has a membership of 28 divers. The lagoon, 32 miles wide, affords our only diving area with its crystal clear water at a constant 80° and a varied collection of fish and shells as can be found. We consider it tops. Trips are scheduled twice weekly and on holidays. Our members, upon departing from this diving paradise, are interested in contacting other diving groups near Army or Air Force installations. The requirements for club membership are very high and qualification certificates are available. Bluefin Diving Club, APO 187, San Francisco, California.

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GEORGIA STATE SKIN DIVERS ASSOC.

By Francis Johnson

66 Pryor St., NE
Atlanta 3, Ga.

The Georgia State Skin Divers Association held its Third Annual Directors' Meeting on Wednesday, February 18, and Dr. Clyde Harrison, Ginger Rubley, Jack Faver and Daryl Agan were voted in as new directors. This was the first time that this meeting was open to all members of the state's 26 affiliated clubs. Over seventy members were in attendance. Officials of the State Game & Fish Commission, State Highway Patrol, Georgia Geological Society, State Legislature, Y.M.C.A., and Georgia AAU were invited as special guests. Reports from the various committees of their achievements during 1958 and the programs for the coming year were heard.

George Krasle, of the Atlanta Skin Divers Club, reported on the work achieved by his committee in bringing a skin diving program by way of the new closed circuit TV to the Georgia schools. Ernie Fuchs reported on his public training program being given at the Y.M.C.A. Miss Bonnie McMahon, Co-Chairman of the Women's AAU Spearfishing Committee, reported on the coming meets and National AAU Championships.

Chris Christiansen, chairman of the committee for training of the Georgia Fresh Water Fish Commission and the State Highway Patrol, reported that these classes for the Fish Commission were tentatively set to begin June 1st. The "Bulletin," our official publication was passed out at the meeting and the program for the growth of this magazine was reported on by its editor, Dr. Jack Wickham.

The membership gave their congratulations and sincerest thanks for the work well done by State Representative Jack Shuman in being instrumental in bringing about the law permitting the spearing of rough fish in the State of Georgia. It was noted that the bill had passed the House by a vote of 144 to 4. The important highlights of the bill were:

1. CO₂ or gas guns are illegal.
2. No artificial breathing apparatus may be used.
3. The person must be completely submerged when spearing his fish.

The G.S.S.D.A. went on record as support-the bill 100% and in giving their thanks for the wholehearted support and encouragement given them by Mr. Fulton Lovell, Director of the Georgia Game & Fish Commission and Mr. Fred Dickson, Manager of the Georgia Fresh Water Fish Department.

It was voted that the G.S.S.D.A. retain its membership and support of the Georgia Geological Society, the International Oceanographic Foundation, the International Underwater Spearfishing Association, the AAU, the National Archeological Society and the YMCA.

A report from Bob Baxon, President of the Georgia Geological Society, concerning the program of recovering Indian artifacts, gold and other precious metals and stones from the Etowah river was read. Daryl Agan reported on his committee's work with the weekly training of the Boy Scouts and the possibilities of the Merit Badge for skin diving. Miss Ginger Rubley reported on the coming skin diving and photographic trip to

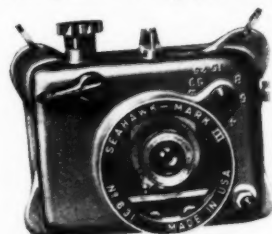
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the Bahama Islands this June. Jack Faver, G.S.S.D.A. master diver, was appointed as Director of the Georgia State Underwater Rescue and Recovery Squad, and John Peters, Dr. Clyde Harrison, Gene Vezzani and Roy Chandler were selected to serve on this squad.

The formation of new and the strengthening of clubs in Albany, Rome, Savannah, Decatur and Gainesville was placed under the direction of Dr. Jack Wickham. Two new contributing sponsors were admitted—Trophies, Inc. and Southern Oxygen Supply Co. Ernie Fuchs was given the direction of this year's membership drive. It was noted that there are only two clubs remaining in the entire state of Georgia that have no affiliation with the G.S.S.D.A. The new Decatur club, the Aqua Couples, with a membership of approximately 30 members, was admitted to membership. George Krasle, Southeastern Regional Spearfishing Chairman of the AAU, spoke on the coming Championships and of the excellent cooperation given his committee by H. V. Flood, President of the S.E. (Florida) Council of Skin Diving Clubs, and Bob Robinson, President of the Mississippi State Skin Divers' Association.

Gene Vezzani, chairman of the G.S.S.D.A., spoke at length of the recent formation of the Southern Council of Skin Diving Clubs, which at present includes the state councils



Ginger Rubley presents Jack Faver the Outstanding Achievement Award at the Georgia directors meeting.

of Florida, Georgia, Tennessee, Mississippi, Louisiana and Alabama. He stated that this organization would represent over fifty (50) bona fide clubs and would have the power to speak for them at the Boston convention.

Perhaps the most important event of the evening was the presentation to Jack Faver of the "Outstanding Achievement Award". This award is given once a year by the G.S.S.D.A. to some diver within the state of Georgia. Jack received this award for his major part in recovering a drowned victim of a diving accident by descending to a depth of 290 feet in a fresh water underground cavern at Morrison Springs, Florida.

Aquatic Couples—Decatur, Georgia—Reporter Alberta Harrison—Something a little different in the way of clubs was formed in Decatur in May of 1958. We are known as the Aquatic Couples, and as the name implies, the club consists of married couples who are also skin diving enthusiasts.

Business meetings are held the first Thursday of each month and training sessions are held at the Emory Pool at Emory University. We are greatly indebted to Coach Ed Smyke.

The club plans a trip to the Bahamas the last of May. Also, many local skin diving trips have been made and more are planned for the future. Our winter project has been the making of wet suits and spears. Officers elected for the new year are Dr. Jack Wickham, Dr. Clyde Harrison, Frank Staley and Alberta Harrison.

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WASHINGTON COUNCIL OF SKIN DIVING CLUBS

By: Dick Klein
Ken Way and
John Miller

The Council was once again hosted by the Tacoma Scubaneers at their new meeting place at Point Defiance Park in Tacoma, Wash.

It was unanimously agreed that Lou Whitaker be the Council's representative at the National Convention at Boston, Mass. John Tallman, past chairman of the records committee proposed that money be appropriated for the printing of scrolls to be presented to record holders. It was passed.

As you undoubtedly know, there are a great many diving enthusiasts who would like to participate in diving activities, but don't know where or how to join a club. The Council offers to such enthusiasts the service of giving information regarding the whereabouts and details of clubs in their areas. The Council has available most of the necessary particulars on club membership requirements and regulations, intended scheduled events, and a brief history on each member club. The intended member will receive the address of the club or clubs in his area, as well as where and whom to contact, or if there is a group just forming who needs help in formulating a constitution, rules, etc. The Council can help them also.

These services are available to them by writing to Luella Jackson, 3431 So. 272nd, Kent, Wash.

YMCA Divers—The Y Divers celebrated Valentine's Day with our Sweetheart Luau. We were royally entertained by the finest Hawaiian dancing many of us had ever seen. (The hands tell the story—keep your eyes on the hands, John.) A marvelous knife dance was presented.

We are losing one of our most consistent participators, Tom Bonnie. He is being transferred to deep in the heart of you know where. I hear there are alligator gars in the Brazos River, Tom.

Puget Sound Mudsharks—Reporter Gary Keffler—John Tallman started the year off with a 51 pound ling cod for the largest fish of the year trophy. But a few weeks later, on another outing to one of the club's secret spots, Dale Dean took a 55 pounder to be high man on the board. On the same day Gary Crymes, who just did a tour of duty in Germany, showed his diving abilities were as good as ever with a 54 lb ling cod. Gary Keffler also got a 48 pounder. These fish were all taken without the use of scuba gear.

The smartest diver of the year award was won by Dick Thrasher. After six months of test taking, Dick won the award but was closely followed by Gary Keffler and Dick Klein.

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An interesting day of diving was spent by Bill High, Ken Way and Dick Klein, when they explored the inside of a fish trap. In the trap were schools of dogfish, herring, true cod, perch, and an occasional salmon.

Here are the results of the Mudsharks' winter meet which was the largest meet ever attended in this area. There were 107 divers entered with about 300 to 400 spectators. The Mudsharks team of Tallman, Mertz, and Keffler took 1st place with 67 pounds. Second place also went to the Mudsharks and third place was won by the Victoria Skin Divers. The largest fish trophy went to John Tallman. We would like to thank all clubs that attended and helped make this event a huge success.

Spokane Skin Divers—Reporter Lemuel Hutchings—Diving in the Spokane area has slowed down a little, but has not come to a standstill. We were diving until the lakes became covered with ice. But now we will be going through the ice, the one-quarter inch wet suit, which most of us are now using, keeping us warm and comfortable when diving in very cold water. Marine life disappeared as the temperature dropped and the lakes froze. Ice has been found to be over seven inches thick on several lakes. Visibility is on an average of twenty feet and in the summer it may reach sixty feet in a few lakes.

Many members are Civil Defense members and on call at all times. We were at the Diamond Cup Hydroplane Race last year and will be on hand this year working with other Civil Defense personnel. The use of the Fairchild Air Force Base's pool, every other week, has been a great help in keeping in practice and condition. We are looking forward to a summer of safe diving, but this cold weather has not stopped us from getting our feet wet.

N.U.R.G.—Reporter John Joachims—The Annual Meeting of the Northwest Underwater Research Group was held at the "Club



Donald R. Tait

56" at Sand Point Naval Station and the following members were elected to office... Donald R. Tait, Jim Carpenter, Jack Wolfe, Willie Tarbet, Jerry Sisson, Dr. Mel Butler, Dr. Duane Chapman, and John Joachims. Maurice Hanvey was elected Vice President in charge of Bellevue Branch. The Bainbridge Island Branch has not yet elected their Vice President. Lee Morton received the Osborn & Ulland Diver of the Year Award. The N.U.R.G. has been organized now for three years and is the largest diving club in the State. It is also the official underwater recovery unit for the Washington State Patrol and the Washington Civil Defense... Lou Whittaker represented our Club and the Council at the National Convention in Boston.

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MEDICINE UNDER PRESSURE . . .

(Continued from Page 6)

opens with swallowing. Most important is the fact that the opening at the throat has its edges covered with specialized lymphatic tissue. It is this tissue that gives us the problem of the obstructed Eustachian tube. When lymphatic tissue becomes infected (as with the virus of the common cold) it secretes mucus and the mucus causes the obstruction. It is as simple as that.

The most obvious means to avoid this problem is to avoid the common cold. Such non-specific measures as adequate good foods and rest, and the avoidance of fatigue and chill are well understood.

If you have a cold, *don't dive!!*

But if you insist that this one dive is a must, here are some hints to help keep you out of trouble.

1. See a doctor. (To rule out any serious illness, to have him evaluate your upper respiratory passages pri-

or to the dive and to get a prescribed nasal decongestant; this should be mild, in a spray form, used not more often than *three times a day*, and one minute before you dive.)

2. Get as much rest as possible before the dive.
3. Use a steam vaporizer by your bedside the night before the dive.
4. Practice gentle equalization after each nose spray.
5. Use your head. If after two attempts in descent you are unable to equalize, surface and return again some other day.

Editor's note: Although Dr. Kirker cannot answer letters individually, your medical problems related to diving will be discussed in future columns. Questions should be addressed to Dr. Kirker in care of "Skin Diver" Magazine.

DINING FOR DIVERS . . .

(Continued from Page 10)

ing. From the results I have seen and tasted, the person who ignores the importance of the serving just plain lacks any appreciation for food. We might substitute the phrase "eye appeal" at this point, because that is just what makes the service effective. To illustrate the point, imagine a single fried fillet on a plain white plate. Now imagine the same fried fillet framed by fresh parsley and decorated with sliced pimento-stuffed olives, or with sliced almonds which have been sautéed in butter—or even better—fresh mushroom caps. This is eye appeal, and this is what can turn a very ordinary fried fish into a very special dish. Try it and see.

Next month we will go into some of the more popular and easier methods of baking fish, both in the kitchen and using a reflector oven on the beach. Don't forget, if you have any questions, we will be glad to answer them.

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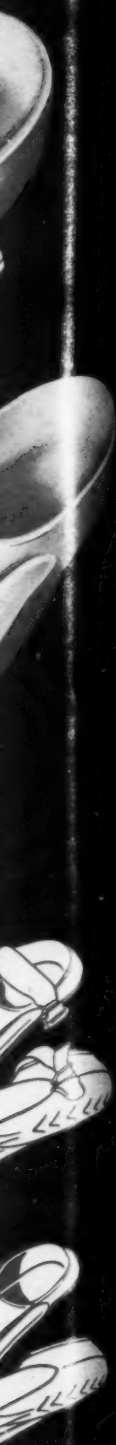
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